

# Hormone Products (Recombinant Protein)

Hormones control the growth, development, and metabolism of the body; the electrolyte composition of bodily fluids; and reproduction. Among the substances that can be considered hormones, are eicosanoids, steroids, amino acid derivatives, protein/peptides and gases. Hormones affect distant cells by binding to specific receptor proteins in the target cell, resulting in a change in cell function. When a hormone binds to the receptor, it results in the activation of a signal transduction pathway that typically activates gene transcription, resulting in increased expression of target proteins. Hormones can also act in rapid, non-genomic pathways that can be synergistic with genomic effects.

## • Hypothalamic-pituitary gland

Product name	Species	Expression system	Cat No.
GNRH-1	H	<i>E. coli</i>	ATGP2712
CRHBP	H	<i>E. coli</i>	ATGP2557(D)
Dopamine beta-Hydroxylase	H	<i>E. coli</i>	ATGP3032
FSH	H	<i>E. coli</i>	ATGP2876
TSH beta	H	<i>E. coli</i>	ATGP2427(D)
DSTN	H	<i>E. coli</i>	ATGP1596
Prolactin	H	<i>E. coli</i>	PRO0501
	M	<i>E. coli</i>	ATGP3777
	M	<i>E. coli</i>	ATGP3793
PIP	H	<i>E. coli</i>	ATGP2308(D)
POMC	H	<i>E. coli</i>	ATGP1088
Growth Hormone	H	<i>E. coli</i>	GRH3001
	H	<i>E. coli</i>	GRH3002
Growth Hormone R/GHR	H	Baculovirus	ATGP3207
	R	Baculovirus	ATGP3305
TAC-1	H	<i>E. coli</i>	ATGP1879(D)
TAC-3	H	<i>E. coli</i>	ATGP0362

## • Pancreas

Product name	Species	Expression system	Cat No.
Glucagon	H	<i>E. coli</i>	ATGP1139
Proinsulin	H	<i>E. coli</i>	ATGP3817

## • Stomach

Product name	Species	Expression system	Cat No.
Ghrelin/Obestatin	H	<i>E. coli</i>	ATGP0411

## • Thyroid gland

Product name	Species	Expression system	Cat No.
Transthyretin/Prealbumin	H	<i>E. coli</i>	ATGP0456
PKM-2	H	<i>E. coli</i>	ATGP0429
	M	<i>E. coli</i>	ATGP3610
CRYM	H	<i>E. coli</i>	ATGP0559
P4HB	H	<i>E. coli</i>	ATGP0670
	H	<i>E. coli</i>	ATGP3136
	M	Baculovirus	ATGP3297
Parathyroid Hormone/PTH	H	<i>E. coli</i>	PTH3001
	H	<i>E. coli</i>	ATGP3317
Vasostatin-2	H	<i>E. coli</i>	ATGP0309
	H	<i>E. coli</i>	ATGP0323

## • Thymus

Product name	Species	Expression system	Cat No.
PTMA	H	<i>E. coli</i>	ATGP2318
PTMS	H	<i>E. coli</i>	ATGP2386

## • Heart

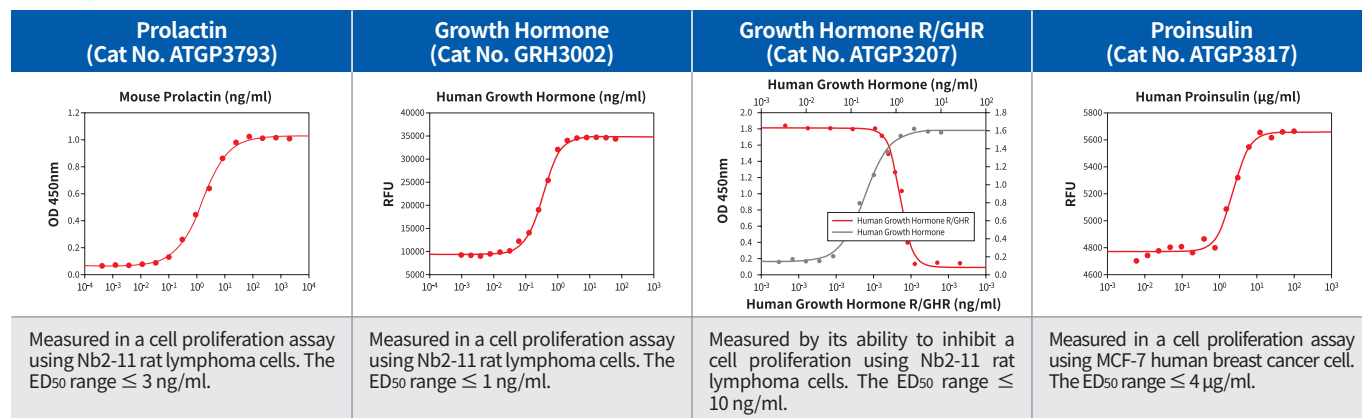
Product name	Species	Expression system	Cat No.
BNP	H	<i>E. coli</i>	BNP0801
CNP	H	<i>E. coli</i>	ATGP2205

## • Intestine

Product name	Species	Expression system	Cat No.
GIP	H	<i>E. coli</i>	ATGP2061

H : Human M : Mouse R : Rat D : Denatured

## Biological Activity Data



## References

Lee EN, et al. Stabilizing peptide fusion for solving the stability and solubility problems of therapeutic proteins. *Pharm Res.* 2005 Oct;22(10):1735-46. [PMID: 16180132] **Recombinant Growth Hormone protein (Cat No. GRH3001); Human.**

Abdirama D, et al. Nuclear antigen-reactive CD4+ T cells expand in active systemic lupus erythematosus, produce effector cytokines, and invade the kidneys. *Kidney Int.* 2021 Jan;99(1):238-246. [PMID: 32592813] **Recombinant Transthyretin/Prealbumin protein (Cat No. ATGP0456); Human.**

• Adipose tissue

Product name	Species	Expression system	Cat No.
<b>Leptin/OB</b>	H	<i>E. coli</i>	LEP3002
	M	<i>E. coli</i>	LEP0701
<b>Adiponectin/Acrp30</b>	H	<i>E. coli</i>	ADI0501
	H	<i>E. coli</i>	ATGP2641(D)
	H	Baculovirus	ATGP3532
	M	<i>E. coli</i>	ADI0702
<b>Adiponectin (globular domain)</b>	M	<i>E. coli</i>	ADI3001
<b>Resistin</b>	H	<i>E. coli</i>	ATGP2509(D)
	H	<i>E. coli</i>	ATGP2510(D)
	H	HEK293	ATGP3977

• Kidney

Product name	Species	Expression system	Cat No.
<b>Erythropoietin/EPO</b>	H	Baculovirus	ATGP3208
	M	Baculovirus	ATGP3959
	R	HEK293	ATGP4000
<b>Erythropoietin R</b>	H	Baculovirus	ATGP3252
	H	Baculovirus	ATGP3494
<b>Thrombopoietin/TPO</b>	H	HEK293	ATGP3970
	M	HEK293	ATGP3930
<b>Renin</b>	H	<i>E. coli</i>	ATGP2177(D)
	H	Baculovirus	ATGP3412
	M	Baculovirus	ATGP3224

• Liver




Product name	Species	Expression system	Cat No.
<b>IGF-1</b>	H	<i>E. coli</i>	IGF0501
	R	<i>E. coli</i>	ATGP3840
<b>IGF-2</b>	H	<i>E. coli</i>	ATGP0836
<b>IGFBP-3</b>	H	<i>E. coli</i>	ATGP2991(D)
<b>IGFBP-6</b>	H	<i>E. coli</i>	ATGP2270
	M	Baculovirus	ATGP3411
<b>IGFBP-rp1/IGFBP-7</b>	H	<i>E. coli</i>	ATGP2483

• Sexual gland

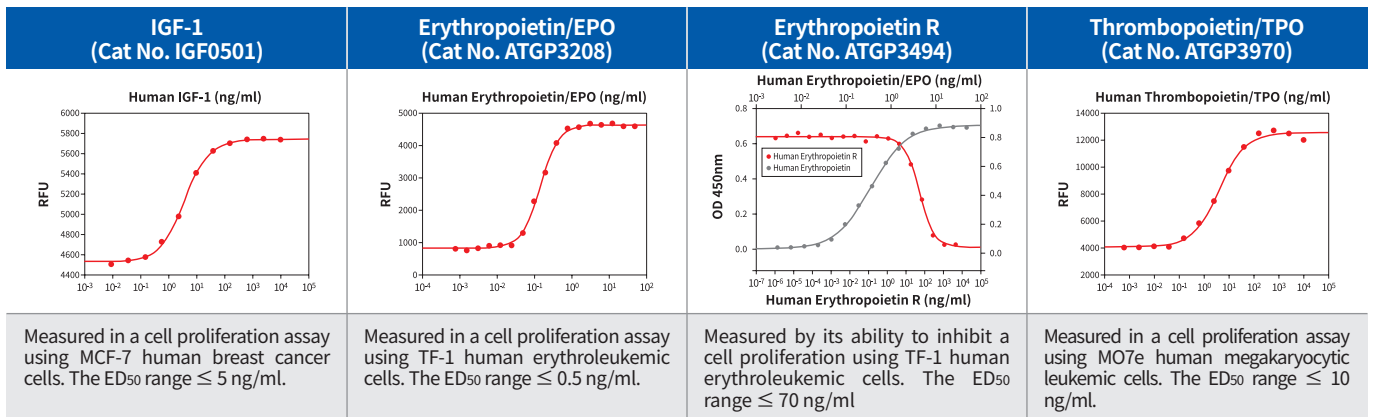
Product name	Species	Expression system	Cat No.
<b>Clusterin/TRPM2</b>	H	<i>E. coli</i>	ATGP2574
<b>PTGES-2</b>	H	<i>E. coli</i>	ATGP1059
<b>PTGES-3</b>	H	<i>E. coli</i>	ATGP0418
<b>HPGDS</b>	H	<i>E. coli</i>	ATGP1557
<b>Inhibin A</b>	H	<i>E. coli</i>	ATGP1898(D)
<b>Activin A</b>	H	<i>E. coli</i>	ATGP2979(D)
<b>Activin C</b>	H	<i>E. coli</i>	ATGP2223
<b>EBAG9</b>	H	<i>E. coli</i>	EBA0901
<b>SULT1E1</b>	H	<i>E. coli</i>	ATGP0284
<b>HSD17B1</b>	H	<i>E. coli</i>	ATGP2101
<b>HSD17B8</b>	H	<i>E. coli</i>	ATGP1001
<b>HSD17B10</b>	H	<i>E. coli</i>	ATGP0518
<b>HSD17B11</b>	H	<i>E. coli</i>	ATGP0848
<b>HSD17B14</b>	H	<i>E. coli</i>	ATGP0798
<b>Relaxin-2</b>	H	<i>E. coli</i>	ATGP1863(D)
	H	Baculovirus	ATGP3545
<b>Placental Lactogen/CSH1</b>	H	Baculovirus	ATGP3948
<b>CGB</b>	H	<i>E. coli</i>	ATGP2030(D)
<b>CGB-3</b>	H	Baculovirus	ATGP3529
<b>TIMP-1</b>	H	<i>E. coli</i>	ATGP3013(D)
	H	Baculovirus	ATGP3097
	M	Baculovirus	ATGP3186
<b>TIMP-2</b>	R	Baculovirus	ATGP3178
	H	<i>E. coli</i>	ATGP1687
<b>TIMP-4</b>	H	Baculovirus	ATGP3301
	H	Baculovirus	ATGP3407

H : Human M : Mouse R : Rat D : Denatured

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Biological Activity Data



References

Lee EN, et al. Stabilizing peptide fusion for solving the stability and solubility problems of therapeutic proteins. *Pharm Res.* 2005 Oct;22(10):1735-46. [PMID: 16180132] **Recombinant Leptin/OB protein (Cat No. LEP3002); Human.**

Hiwasa T, et al. Elevated Adiponectin Antibody Levels in Sera of Patients with Atherosclerosis-Related Coronary Artery Disease, Cerebral Infarction and Diabetes Mellitus. *J Circ Biomark.* 2016 Apr 7;5:8. [PMID: 28936256] **Recombinant Adiponectin/Acrp30 protein (Cat No. ATGP2641); Human.**