Mammalian Cell Expression System

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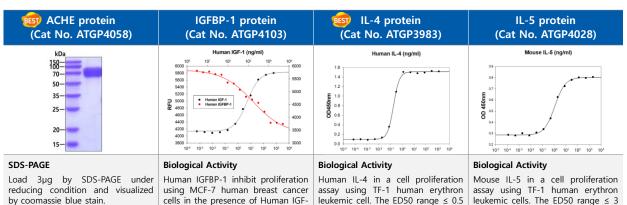
Mammalian cell expression system has been widely employed in academic and industrial research to produce various proteins, including antibodies, enzymes, receptors, and other therapeutic proteins. Common cell lines include human embryo kidney 293 (HEK 293), Chinese hamster ovary (CHO) and baby hamster kidney. It offers advantages such as high transfection efficiency, robust growth characteristics, and compatibility with mammalian protein expression and post-translational modification processes. (*Adv Biochem Eng Biotechnol.* 2018, *Front Bioeng Biotechnol.* 2021)

HEK293 Expression System Related Products

Product name	Species	Tagging	Cat No.		Product name	Species	Tagging	Cat No.
ABP1/AOC1	Н	His	ATGP3938	NEW	CD99-L2	М	hlgG-His	ATGP4126
ACE-2	Н	hIgG-His	ATGP3963*		Chemerin	Н	His	ATGP3855
BEST ACHE	Н	His	ATGP4058*		C-Reactive/CRP	Н	His	ATGP3993
Akt3	Н	His	ATGP4061		DKK1	М	His	ATGP4071
New Alkaline Phosphatase/ALPL	Н	His	ATGP4125*		DLL4	Н	His	ATGP3954
Alpha 1-Acid Glyco 1/ORM1	Н	His	ATGP4089	NEW	DSPG3	Н	His	ATGP4123*
Angiopoietin-like 7/ANGPTL7	Н	hlgG	ATGP4082		ENPP-2/Autotaxin	Н	His	ATGP4057*
NEW APP/Protease Nexin II	Н	His	ATGP4122*		EphB1	Н	His	ATGP4038*
B7-H6	Н	hIgG-His	ATGP4100*		Epiregulin	Н	hlgG-His	ATGP4066*
NEW BACE-2	М	His	ATGP4110*		ErbB4/Her4	Н	hlgG-His	ATGP4044*
Betacellulin/BTC	Н	His	ATGP4016*		Erythropoietin/EPO	R	His	ATGP4000*
BTLA	М	hIgG-His	ATGP4003	NEW	Fc epsilon RI alpha	Н	His	ATGP4124*
NEW Carbonic Anhydrase X/CA10	Н	His	ATGP4115*		FGF-8b	Н	His	ATGP4097*
Cathepsin C/DPPI	М	His	ATGP4093*		FGF-19	Н	His	ATGP3972
Cathepsin D	Н	His	ATGP4086*		FOLR2	Н	His	ATGP3987*
CCL2/MCP-1	Н	His	ATGP4067*		F-spondin/SPON1	Н	His	ATGP4083
CD4	Н	hIgG-His	ATGP4108*	NEW	GP1BB	Н	His	ATGP4114
CD9	Н	His	ATGP4064	NEW	HAPLN1	н	His	ATGP4121*
CD14	Н	His	ATGP4095*		Hyaluronidase 1/HYAL1	Н	His	ATGP3941
CD16a/FCGR3A	Н	His	ATGP4098*		ICAM-5	Н	hlgG-His	ATGP3957
CD26/DPP4	Н	hlgG	ATGP4109*	_	IFN-alpha 1/IFNA1	Р	His	ATGP4031
CD31/PECAM1	М	His	ATGP4092		IGFBP-1	Н	Non	ATGP4103*
CD32a/FCGR2A	н	His	ATGP4116*		lgG1 Fc	Н	Non	ATGP4094*
CD39L2/ENTPD6	М	His	ATGP3984*	BEST	IL-4	М	His	ATGP3983*
CD40/TNFRSF5	Н	hIgG-His	ATGP4007		IL-5	М	His	ATGP4028*

* This product has been verified biological activity.

 $\textbf{H}: \textsf{Human} \quad \textbf{M}: \textsf{Mouse} \quad \textbf{R}: \textsf{Rat} \quad \textbf{C}: \textsf{Canine} \quad \textbf{P}: \textsf{Porcine}$



ng/ml

Global NK cell Leader

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1. The ED50 range ≤3 µg/ml.

Purchasing +82-31-603-9224 서울지역 대리점 : 아벨바이오 02-438-7551

ng/ml.

서울지역 대리점 : 아벨바이오 02-438-7551 경기지역 대리점 : 셀투바이오 031-723-7979

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Mammalian Cell Expression System

HEK293 Expression System Related Products (continued)

P	roduct name	Species	Tagging	Cat No.	Product name	Species	Tagging	Cat
	IL-8/CXCL8	С	His	ATGP4043	Podocalyxin	н	His	ATG
	IL-17A	С	His	ATGP4068*	PRCP	Н	His	ATG
	IL-17E/IL-25	Н	His	ATGP4018*	PSGL-1/CD162	н	hIgG-His	ATG
	IL-19	Н	His	ATGP4024	Renin	Н	His	ATG
	IL-21R	М	hlgG-His	ATGP4056*	Resistin/RETN	Н	His	ATG
	IL-31	С	Non	ATGP4105	Ribonuclease A/RNASE 1	Н	His	ATG
Ka	allikrein 3/PSA	Н	His	ATGP3926*	Semaphorin 3C(Mt)	Н	hIgG	ATG
	LBP	Н	His	ATGP3989	SIRP alpha/CD172a	Н	His	ATG
LILF	RB2/CD85d/ILT4	н	His	ATGP4042		М	His	ATG
		R	His	ATGP4106*	SOST/Sclerostin	Н	His	ATG
>	MMP-9	М	His	ATGP4127*		М	His	ATG
1	NKp80/KLRF1	Н	hlgG-His	ATGP4063*	Thrombopoietin	Н	His	ATG
7	Noggin	Н	His	ATGP4020	Thrombospondin 4/THBS4	М	His	ATG
Os	teopontin/OPN	М	His	ATGP4052*	Thrombospondin 5/COMP	Н	His	ATG
OX40) Ligand/TNFRSF4	М	hlgG-His	ATGP3971	TIE1	Н	hIgG-His	ATG
🦻 Para	oxonase 1/PON1	Н	His	ATGP3936*	TIM-3/HAVCR2	H, M	hlgG-His	ATG
	PD-1	Н	hIgG	ATGP4027*	TNFRSF7/CD27	Н	hIgG-His	ATG
Pe	ntraxin 2/PTX2	М	His	ATGP3858*	TREM2	Н	His	ATG
PG	iLYRP1/PGRP-S	Н	His	ATGP4036	TrkA/NTRK1	R	hlgG-His	ATG
	PIGF	Н	His	ATGP4025	UNC5H2/UNC5B	R	hlgG-His	ATG
	PKC iota	Н	His	ATGP4081	VEGFR1/Flt-1	Н	hlgG	ATG

CHO Cell Expression System Related Products

	Product name	Species	Tagging	Purity	Applications	Cat No.
	Angiopoietin 2/ANGPT2	Н	His	> 90%	SDS-PAGE	ATGP3853
BEST	Chitinase 3-like 1/CHI3L1	Н	His-Myc	> 90%	SDS-PAGE	ATGP1962
BEST	EGFR	Н	hIgG-His	> 90%	SDS-PAGE	ATGP3335

* This product has been verified biological activity.

H : Human M : Mouse R : Rat C : Canine

(Cat No. ATGP4020	Noggin proteinThrombopoietin protein(Cat No. ATGP4020)(Cat No. ATGP3930)		TrkA/NTRK1 protein (Cat No. ATGP4085)	ess Chitinase 3-like 1/CHI3L1 protein (Cat No. ATGP1962)		
kDa <u>79</u>		Mouse Thrombopoletin (ng/m)	Rat NGF (ng/ml)	kDa 70- 28- 13.5- 7.2-		
SDS-PAGE Biological A		Biological Activity	Biological Activity	SDS-PAGE		
Load 3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.		Mouse Thrombopoietin stimulates cell proliferation of the MO7e human megakaryocytic leukemic cells. The ED50 range ≤4 ng/ml.	Rat NTRK1 in inhibit the cell growth using TF-1 human erythroleukemic cells in the presence of 0.5ng/ml of rat NGF. The ED50 range \leq 5ng/ml.	reducing condition and visualized by		

Publications

Moon OJ, et al. An Optimally Fabricated Platform Guides Cancer-Specific Activation of Chemotherapeutic Drugs and Toxicity-Free Cancer Treatment. *Adv Healthc Mater*. 2022 Aug;11(15):e2200765. [PMID: 35670274] Recombinant EGFR.

Lee HM, et al. A comparative study of the effects of inhibitory cytokines on human natural killer cells and the mechanistic features of transforming growth factor-beta. *Cell Immunol.* 2014 Jul;290(1):52-61. [PMID: 24879062] **Recombinant IL-4**.



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