

# Recombinant human Wnt-7a protein

Catalog Number: ATGP2361

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

32-349aa

### UniProt No.

O00755

### NCBI Accession No.

NP\_004616

### Alternative Names

Protein Wnt-7a precursor, Wingless-type MMTV integration site family, member7A

## PRODUCT SPECIFICATION

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### Molecular Weight

38.0 kDa (341aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

WNT7A is a member of the WNT gene family, which consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays a critical role in uterine smooth muscle patterning and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi/Raas-Rothschild/Schinzler phocomelia syndromes. Recombinant human WNT7A protein,

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fused to His-tag at N-terminus, was expressed in E. coli.

## Amino acid Sequence

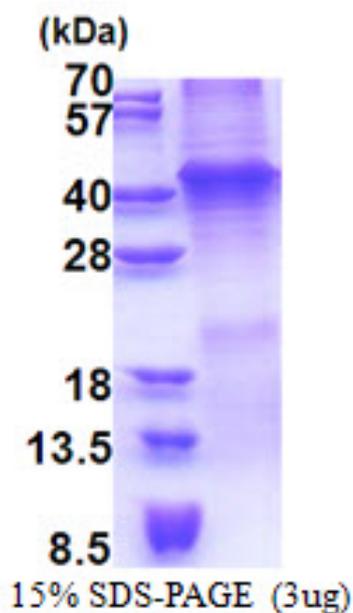
MGSSHHHHHH SSSLVPRGSH MGSLGASIIC NKIPGLAPRQ RAICQSRPDA IIVIGEGSQM GLDECQFQFR NGRWNC SALG  
ERTVFGKELK VGSREAAFTY AIIAAGVAHA ITAACTQGNL SDCGCDKEKQ GQYHRDEGWK WGGCSADIRY GIGFAKVFVD  
AREIKQNART LMNLHNNEAG RKILEENMKL ECKCHGVSGS CTTKTCWTTL PQFRELGYVL KDKYNEAVHV EPVRASRNKR  
PTFLKIKKPL SYRKPMDDL VYIEKSPNYC EEDPVTGSVG TQGRACNKTA PQASGCDLMC CGRGYNTHQY ARVWQCNCCKF  
HWCCYVKCNT CSERTEMYTC K

## General References

Bui T.D., Lako M.. et al. (1997). Gene 189:25-29

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.