

# Product information



## WNT7A, 32-349aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2361

**Full name:** Protein Wnt-7a precursor

**NCBI Accession No.:** NP\_004616

**Synonyms:** Wingless-type MMTV integration site family, member7A

**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/Schinzel phocomelia syndromes. Recombinant human WNT7A protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

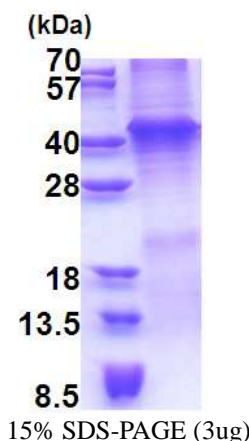
**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing

10% glycerol, 0.4M Urea

**Molecular Weight:** 38.0 kDa (341aa)

**Purity:** >85 % by SDS - PAGE

**Concentration:** 1.0 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHH SGLVPRGSH MSLGASIIIC NKIPGLAPRQ RAICQSRPDA IIVIGEGSQM GLDECQFQFR NGRWNCALG ERTVFGKELK  
VGSREAAFTY AIIAAGVAHA ITAACTQGNL SDCGCDKEKQ GQYHRDEGWK WGGCSADIRY GIGFAKVFD AREIKQNART LMNLHNNEAG  
RKILEENMKL ECKCHGVSGS CTTKTCWTL PQFRELGYVL KDKYNEAVHV EPVRASRNKR PTLKIKKPL SYRKPMOTDL VYIEKSPNYC  
EEDPVTGSVG TQGRACNKTA PQASGCDLMC CGRGYNTHQY ARVWQCCKF HWCCYVKCNT CSERTEMYTC K

### General references:

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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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