

## Recombinant Human WNT7B protein, StreplI/His-tagged

Cat. No. WNT7B-241H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human WNT7B(32-349a.a.) fused with StreplI tag at N-terminus and His tag at C-terminus was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	32-349 a.a.
<b>Description</b>	Wnt7B is a ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues.
<b>Form</b>	Lyophilized from sterile 0.2µm filtered solution in 0.3X PBS with 10% Trehalose (carrier-free).
<b>Molecular Mass</b>	35.7 kDa
<b>AA Sequence</b>	LGANIICNKIPGLAPRQRAICQSRPDAIIVIGEGAQMGINECQYQFRFGRWNCALGE KTVFGQELRVGSREAAFTYAITAAGVAHAVTAAC SQGNLSNCGCDREKQGYYNQA EGWKWGGCSADVRYGIDFSRRFVDAREIKKNARRLMNLHNNEAGRKVLEDRLMQL CKCHGVSGSCTTKTCWTTLP KFREVGHLLKEKYNAAVQVEVVRASRLRQPTFLRIK QLRSYQKPMETDLVYIEKSPNYCEEDAATGSVGTQGRLCNRTSPGADGCDTMCCG RGYNTHQY TKVWQCNCCKFWCCFVKCNTCSERVEVFTCK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin</b>	<0.1 EU per ug protein by LAL method
<b>Purity</b>	>80% pure by SDS-PAGE
<b>Storage</b>	12 months at -20 centigrade as supplied; 1 month at 4 centigrade after reconstitution. Avoid freeze/thaw cycles.
<b>Reconstitution</b>	Centrifuge the vial prior to opening. Reconstitute with 20ul PBS to a concentration of 0.1 mg/ml.

## GENE INFORMATION

<b>Gene Name</b>	WNT7B wingless-type MMTV integration site family, member 7B [ Homo sapiens ]
<b>Official Symbol</b>	WNT7B
<b>Synonyms</b>	WNT7B; wingless-type MMTV integration site family, member 7B; protein Wnt-7b;
<b>Gene ID</b>	7477
<b>mRNA Refseq</b>	NM_058238
<b>Protein Refseq</b>	NP_478679
<b>MIM</b>	601967
<b>UniProt ID</b>	P56706
<b>Chromosome Location</b>	22q13
<b>Pathway</b>	Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved

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biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; DNA damage response (only ATM dependent), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;

**Function**

extracellular matrix structural constituent; frizzled binding; receptor binding;

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