Recombinant Human WNT7B protein, StrepII/His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human WNT7B(32-349a.a.) fused with StrepII tag at N-terminus and His tag at C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	32-349 a.a.
Description	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.
Form	Lyophilized from sterile 0.2μm filtered solution in 0.3X PBS with 10% Trehalose (carrier-free).
Molecular Mass	35.7 kDa
AA Sequence	LGANIICNKIPGLAPRQRAICQSRPDAIIVIGEGAQMGINECQYQFRFGRWNCSALGE KTVFGQELRVGSREAAFTYAITAAGVAHAVTAAC SQGNLSNCGCDREKQGYYNQA EGWKWGGCSADVRYGIDFSRRFVDAREIKKNARRLMNLHNNEAGRKVLEDRMQLE CKCHGVSGSCTTKTCWTTLP KFREVGHLLKEKYNAAVQVEVVRASRLRQPTFLRIK QLRSYQKPMETDLVYIEKSPNYCEEDAATGSVGTQGRLCNRTSPGADGCDTMCCG RGYNTHQY TKVWQCNCKFHWCCFVKCNTCSERTEVFTCK

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

GENE INFORMATION

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