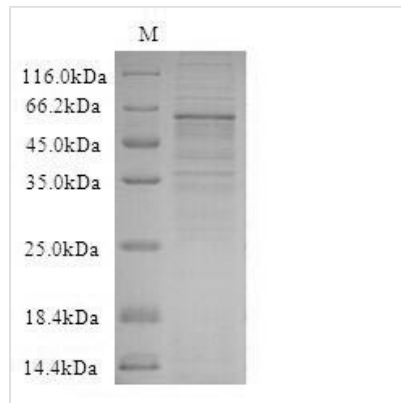




Recombinant Human Protein Wnt-2b (WNT2B)

Product Code	CSB-CF856613HU
Relevance	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. Is likely to signal over only few cell diameters. May be involved in normal development or differentiation as well as in carcinogenesis.
Abbreviation	Recombinant Human WNT2B protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q93097
Product Type	Transmembrane Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MLRPGGAEEAAQLPLRRASAPVPVPSAAPDGSRASARLGLACLLLLLLLTLP ARVDTSWWYIGALGARVICDNIPGLVSRQRQLCQRYPDIMRSVGEGAREWIR ECQHQRHHRWNCTTLDRDHTVFGRVMLRSSREAAFYAASSAGVVHAITRA CSQGELSVCSCDPYTRGRHHDQRGDFDWGGCSDNIHYGVRFKAFVDAKEK RLKDARALMNLHNNRCGRTAVRRFLKLECKCHGVSGSCTLRTCWRLSDFR RTGDYLRRRYDGAVQVMATQDGANFTAARQGYRRATRDTLVYFDNSPDYCV LDKAAGSLGTAGRVCSKTSKGTGCEIMCCGRGYDTTRVTRVTQCECKFW CCAVRCKECRNTVDVHTCKAPKKAEWLDQT
Research Area	StemCells
Source	in vitro E.coli expression system
Target Names	WNT2B
Protein Names	Protein Wnt-13
Expression Region	1-391aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	59.8kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The expression region of this recombinant Human WNT2B covers amino acids 1-391. The expected molecular weight for the WNT2B protein is calculated to be 59.8 kDa. Expression of this WNT2B protein is conducted in in vitro e.coli expression system. The N-terminal 6xHis-SUMO tag was fused into the coding gene segment of WNT2B, making it easier to detect and purify the WNT2B recombinant protein in the later stages of expression and purification.

The protein Wnt-2b (WNT2B) is a highly researched protein with primary areas of investigation spanning developmental biology, cell signaling, and tumorigenesis. In developmental biology, WNT2B, as a member of the Wnt family, plays a crucial role in embryonic development and organ formation, particularly in the development of the nervous system and muscle tissues. In cell signaling, WNT2B regulates various cellular functions, including proliferation, differentiation, and migration, through the Wnt signaling pathway. In the context of tumor development, the aberrant expression of WNT2B is associated with the occurrence and progression of multiple cancers, making it an important target in cancer biology research.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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