Recombinant Human WNT5A protein, His-tagged

Cat. No. WNT5A-1634H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human WNT5A protein was expressed in E. coli with C-terminus his tag. This product is for the mature full length protein. The signal peptide and propeptide are not included.
Species	Human
Source	E.coli
Description	The WNT gene family consists of structurally related genes which 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 encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants.
Form	Lyophilized
Molecular Mass	37 kDa
AA Sequence	MIIGAQPLCSQLAGLSQGQKKLCHLYQDHMQYIGEGAKTGIKECQYQFRHRRWNCS TVDNTSVFGRVMQIGSRETAFTYAVSAAGVVNAMSRACREGELSTCGCSRAARPK

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	DLPRDWLWGGCGDNIDYGYRFAKEFVDARERERIHAKGSYESARILMNLHNNEAG RRTVYNLADVACKCHGVSGSCSLKTCWLQLADFRKVGDALKEKYDSAAAMRLNSR GKLVQVNSRFNSPTTQDLVYIDPSPDYCV RNESTGSLGTQGRLCNKTSEGMDGCE LMCCGRGYDQFKTVQTERCHCKFH WCCYVKCKKCTEIVDQFVCKLEHHHHH
Purity	>95% by SDS-PAGE
Storage	Store at -20 centigrade. Avoid freeze-thaw cycle.
Reconstitution	Reconstitute in water to a concentration of 0.1 mg/mL. This solution can be diluted in water or other buffer solutions or stored at -20 centigrade.
Full Length	Full L.

GENE INFORMATION

Gene Name	Wnt family member 5A [Homo sapiens (human)]
Official Symbol	WNT5A
Synonyms	hWNT 5A; hWNT5A; Protein Wnt 5a; Protein Wnt-5a; Protein Wnt5a; Wingless type MMTV integration site family member 5A; Wnt 5a; WNT 5A protein; WNT 5A protein precursor; WNT5A; WNT5A protein precursor; WNT5A_HUMAN
Gene ID	7474

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