

Recombinant Human WNT3A protein (His tag)

Catalog Number:PDEH100436



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	Protein Wnt-3a;WNT3A
Species	Human
Expression Host	E.coli
Sequence	Ser19-Lys325
Accession	P56704
Calculated Molecular Weight	33.7 kDa
Observed molecular weight	38 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Wnt-3a is one of 19 vertebrate members of the Wingless-type MMTV integration site (Wnt) family of highly conserved cysteine-rich secreted glycoproteins important for normal developmental processes . Wnts bind to the cell surface Frizzled family receptors in conjunction with low-density lipoprotein receptor-related protein family receptors (LRP5 or 6) resulting in the stabilization of intracellular beta -catenin levels . As intracellular beta -catenin levels rise, beta -catenin binds to TCF/LEF transcription factors leading to expression of Wnt target genes.

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