

Wnt4 Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms:	WNT4;Protein Wnt-4
Protein Construction:	23-351 aa
Species:	Human
Expression Host:	E. coli
Accession:	P56705
Molecular Weight:	52.7 kDa (predicted)
AA Sequence:	SNWLYLAKLSSVGSISEEETCEKLGKLIQRQVQMCKRNLEVMDSVRRGAQLAIEECQYQFRNRRWNCSTLDS LPVFGKVVQTGTREAAFVYAISSAGVAFAVTRACSSGGELEKCGCDRTVHGVSPQGFQWSGCSDNIAYGVAFS QSFVDVREERSKGASSSRALMNLHNNEAGRKAILTHMRVECKCHGVSGSCEVKTCWRAVPPFRQVGHALKEK FDGATEVEPRRVGSSRALVPRNAQFKPHTDEDLVYLEPSPDFCEQDMRSGVLGTRGRTCNKTSKAIDGCELLC CGRGFHTAQVELAERCSCCKFWCCFVKCRQCQRLVELHTCR

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Ligand for members of the frizzled family of seven transmembrane receptors. Plays an important role in the embryonic development of the urogenital tract and the lung. Required for normal mesenchyme to epithelium transition during embryonic kidney development. Required for the formation of early epithelial renal vesicles

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during kidney development. Required for normal formation of the Mullerian duct in females, and normal levels of oocytes in the ovaries. Required for normal down-regulation of 3 beta-hydroxysteroid dehydrogenase in the ovary. Required for normal lung development and for normal patterning of tracheal cartilage rings.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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