

Wnt3 Protein, Mouse, Recombinant (His & SUMO)

General Information

Synonyms:	Proto-oncogene Wnt-3;Wnt-3;Wnt3;Int-4;Proto-oncogene Int-4
Protein Construction:	22-355 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	P17553
Molecular Weight:	53.5 kDa (predicted)
AA Sequence:	GYPIWWSLALGQQYTSLASQPLLCSIPGLVLPKQLRFCRNYIEIMPSVAEGVKLGIQECQHQFRGRRWNCTTI DDSLAIFGVPVLDKATRESAFVHAIASAGVAFVTRSCAEGTSTICGCDSSHKGPPGEGWKWGGCSEDADFGV LVSREFADARENRPDARSAMNKHNNNEAGRTTILDHMLKCKCHGLSGSCEVKTCWWAQPDPFRAIGDFLKD KYDSASEMVVEKHRESRGWVETLRKYALFKPPTERDLVYYENSPNFCEPNPETGSFGTRDRTCNVTSHGIDG CDLLCCGRGHNTRTEKRKEKCHCVFHWCCYVSCQECIRIYDVHTCK

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:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

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. Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family. Required for normal

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gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis. Required for normal formation of the apical ectodermal ridge and for normal embryonic limb development.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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