

Wnt2 Protein, Human, Recombinant (E. coli, His)

General Information

Synonyms:	Protein Wnt-2;Int-1-related protein (IRP);INT1L1;WNT2;Int-1-like protein 1;IRP
Protein Construction:	26-360 aa
Species:	Human
Expression Host:	E. coli
Accession:	P09544
Molecular Weight:	41.6 kDa (predicted)
AA Sequence:	SWWYMRATGGSSRVMCDNVPGLVSSQRQLCHRHPDVMRAISQGVAEWTAEQHQFRQHRWNCNTLDRD HSLFGRVLLRSSRESAFVYAISSAGVVFAITRACSQGEVKSCSCDPKMGSAKDSKGIFDWGGCDNIDYGIKF ARAFVDAKERKGDARALMNLHNNRAGRKAVKRFLKQECKCHGVSGSCTLRTCWLAMADFRKTGDYLRWK YNGAIQVVMNQDGTGFTVANERFKKPTKNDLVYFENSPDYCIRDREAGSLGTAGRVCNLTSRGMDSCEVMC CGRGYDTSHVTRMTKCGCKFWCCAVRCQDCLEALDVHTCKAPKNADWTTAT

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. Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family. Functions as upstream regulator of FGF10 expression. Plays an important role in embryonic lung development. May contribute to

embryonic brain development by regulating the proliferation of dopaminergic precursors and neurons.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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