

Recombinant Human WNT2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51059

Size: 10ug, 100ug

Protein Name: Protein Wnt-2 (Int-1-like protein 1) (Int-1-related protein) (IRP)

Synonym: WNT2, INT1L1, IRP

UniProt ID: P09544

UniProt Link: www.uniprot.org/uniprotkb/P09544/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 360 AA

Molecular Weight: 40 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MNAPLGGIWLWLPLLLTWLTPEVNSSWWYMRATGGSSSRVMCDNVPGLVSSQRQLCHRHPDVMRA
ISQGVAEWTAECQHQRQHRWNCNTLDRDHSLFGRVLLRSSRESAFVYAISSAGVVFAITRACSQG
EVKSCSCDPKMKMGSAKDSKGIFDWGGCSDNIDYGIKFARAFVDAKERKGKDARALMNLHNNRAGR
KAVKRFLKQECKCHGVSGSCTLRTCWLAMADFRKTGDYLWRKYNGAIQVVMNQDGTGFTVANERF
KKPTKNDLVYFENSPDYCIRDREAGSLGTAGRVCNLTSGMDSCCEVMCCGRGYDTSHVTRMTKCG
CKFWHCCAVRCQDCLEALDVHTCKAPKNADWTTAT

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Protein Wnt-2 (Int-1-like protein 1) (Int-1-related protein) (IRP) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: 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 (PubMed:20018874). Functions as a 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 (By similarity).

Subcellular Localization: Secreted, extracellular space, extracellular matrix . Secreted .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.