

Recombinant Mouse WNT3 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51296

Size: 10ug, 100ug

Protein Name: Proto-oncogene Wnt-3 (Proto-oncogene Int-4)

Synonym: Wnt3, Int-4, Wnt-3

UniProt ID: P17553

UniProt Link: www.uniprot.org/uniprotkb/P17553/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 355 AA

Molecular Weight: 40 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEPHLLGLLLGLLLSGTRVLGYPIWWSLALGQQYTSLASQPLLCSIPGLVPKQLRFCRNYIEIMPS
VAEGVKLGIQECQHQRGRRWNCTTIDDSLAIFGPVLDKATRESAFVHAIASAGVAFVTRSCAEGT
STICGCDSHHKGPPGEGWKWGGCSEADFGVLVSREFADARENRPDARSAMNKHNNNEAGRTTILD
HMHKCKCHGLSGSCEVKTCWWAQPFDFAIGDFLKDKYDSASEMVVEKHRESRGWVETLRAKYAL
FKPPTERDLVYYENSPNFCEPNPETGSFGTRDRTCNVTSHGIDGCDLLCCGRGHNTRTEKRKEKCH
CVFHWCCYVSCQECIRIYDVHTCK

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 Proto-oncogene Wnt-3 (Proto-oncogene Int-4) 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 (Probable). Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (By similarity). Required for normal gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis (PubMed:10431240). Required for normal formation of the apical ectodermal ridge and for normal embryonic limb development (PubMed:12569130).

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.