

Recombinant Human WNT6 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51066

Size: 10ug, 100ug

Protein Name: Protein Wnt-6

Synonym: WNT6

UniProt ID: Q9Y6F9

UniProt Link: www.uniprot.org/uniprotkb/Q9Y6F9/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 365 AA

Molecular Weight: 40 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MLPPLPSRLGLLLLLLCPAHVGGLWWAVGSPLVMDPTSICRKARRLAGRQAELCQAEPEVVAELA
RGARLGVRECQFQFRFRWNCSSHSKAFGRILQQDIRETAFVFAITAAGASHAVTQACSMGELLQC
GCQAPRGRAPPRPSGLPGTPGPPGPAGSPEGSAAWEWGGCGDDVDFGDEKSRLFMDARHKRGR
GDIRALVQLHNNEAGRLAVRSHTRTECKCHGLSGSCALRTCWQKLPPFREVGARLLERFHGASRV
MGTNDGKALLPAVRTLKPPGRADLLYAADSPDFCAPNRRRTGSPGTRGRACNSSAPDLSGCDLLCC
GRGHRQESVQLEENCLCRFWCCVQCHRCRVRKELSLCL

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-6 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 developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters. Together with CAV1 may promote chemoresistance of gastric cancer cells to DNA-damaging anthracycline drugs through the activation of the canonical Wnt receptor signaling pathway.

Subcellular Localization: Secreted, extracellular space, extracellular matrix.

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.