

Recombinant Human CCN4 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50142

Size: 10ug, 100ug

Protein Name: CCN family member 4 (WNT1-inducible-signaling pathway protein 1) (WISP-1)
(Wnt-1-induced secreted protein)

Synonym: CCN4, WISP1

UniProt ID: O95388

UniProt Link: www.uniprot.org/uniprotkb/O95388/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 367 AA

Molecular Weight: 40 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MRWFLPWTLAAVTAASASTVLATALSPAPTTMDFTPAPLEDTSSRPQFCKWPCECPPSPPRCPLGV
SLITDGCECKMCAQQLGDNCTEAAICDPHRGLYCDYSGDRPRYAIGVCAQVVGVCVLDGVRYN
NGQSFQPNCKYNCTCIDGAVGCTPLCLRVPPRLWCPHPRVSIPGHCCEQWVCEDDAKRPRKTA
PRDTGAFDAVGEVEAWHRNCIAYTSPWSPCSTSCGLGVSTRISNVNAQCWPEQESRLCNLRPCDV
DIHTLIKAGKKCLAVYQPEASMNFTLAGCISTRSYQPKYCGVCMNDRCCIPYKSKTIDVSFQCPDGLG
FSRQVLWINACFCNLSCRNPNDIFADLESYPDFSEIAN

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 CCN family member 4 (WNT1-inducible-signaling pathway protein 1) (WISP-1) (Wnt-1-induced secreted protein) 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: Downstream regulator in the Wnt/Frizzled-signaling pathway. Associated with cell survival. Attenuates p53-mediated apoptosis in response to DNA damage through activation of AKT kinase. Up-regulates the anti-apoptotic Bcl-X(L) protein. Adheres to skin and melanoma fibroblasts. In vitro binding to skin fibroblasts occurs through the proteoglycans, decorin and biglycan.

Subcellular Localization: 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.