

Recombinant Human SUSP2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50937

Size: 10ug, 100ug

Protein Name: Sushi domain-containing protein 2

Synonym: SUSP2

UniProt ID: Q9UGT4

UniProt Link: www.uniprot.org/uniprotkb/Q9UGT4/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 822 AA

Molecular Weight: 90 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MKPALLPWALLLLATALGPGPGPTADAQESCSMRCGALDGPCSCHPTCSGLGTCCLDFRDFCLEIL
PYSGSMMGGKDFVVRHFKMSSPTDASVICRFKDSIQTLGHVDSSGQVHCVSPLLYESGRIPFTVSLD
NGHSFPRAGTWLAVHPNKVSMMEKSELVNETRWQYYGTANTSGNLSLTWHVKSLPTQTITIELWGY
EETGMPYSQEWTAKWSYLYPLATHIPNSGSFTFTPKPAPPSYQRWRVGALRIIDSKNYAGQKDVQA
LWTNDHALAWHLSDDFREDPVAWARTQCQAWEELEDQLPNFLEELPDCPCTLTQARADSGRFFTD
YGCDMEQGSVCTYHPGAVHCVRSVQASLRYGSGQCCYTADGTQLLTADSSGGSTPDRGHDWG
APPFRTPPRVPSMSHWLYDVLSFYCCCLWAPDCPRYMQRPSNDCRNYPRLASAFGDPHFVTF
DGTNFTFNGRGEYVLEAALTDLRVQARAQPGTMSNGTETRGTGLTAVAVQEGNSDVVEVRLANR
TGGLEVLLNQEVLSFTEQSWMDLKGMFLSVAAGDRVSIMLASGAGLEVSVQGPFLSVSVLLPEKFLT
HTHGLLGLTLNNDPTDDFTLHSGRVLPPGTSPQELFLFGANWTVHNASSLLTYDSWFLVHNFLYQPK
HDPTFEPLFPSETTLNPSLAQEAALKCGDDHFCNFDVAATGSLSTGTATRVAHQLHQRRMQSLQPV
VSCGWLAPPPNGQKEGNRYLAGSTIYFHCNNGYSLAGAETSTCQADGTWSSPTPKCQPGRSYAVL
LGIIFGGLAVVAVALVYVLLRRRKGNTHVWGAQP

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 Sushi domain-containing protein 2 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: May be a cytokine receptor for GPR15LG. May be a tumor suppressor; together with GPR15LG has a growth inhibitory effect on colon cancer cells which includes G1 cell cycle arrest (PubMed:25351403). May play a role in breast tumorigenesis (PubMed:23131994).

Subcellular Localization: Cell membrane ; Single-pass type I membrane protein . Note=SUSD2 and LGALS1 co-localized in very specific, punctate regions along the cell membrane of breast cancer cells.

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.