

Recombinant Human VINEX Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51050

Size: 10ug, 100ug

Protein Name: Vinexin (SH3-containing adapter molecule 1) (SCAM-1) (Sorbin and SH3 domain-containing protein 3)

Synonym: SORBS3, SCAM1

UniProt ID: O60504

UniProt Link: www.uniprot.org/uniprotkb/O60504/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 671 AA

Molecular Weight: 75 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MQGPPRSLRAGLSLDDFIPGHLQSHIGSSSRGTRVPVIRNGGSNTLNFQFHDPAAPRTVCNGGYTPR
RDASQHPDPAWYQTWPGPSKPSASTKIPASQHTQNW SATWT KDSKRRDKRWVKYEGIGPVDES
GMPIAPRSSVDRPRDWYRRMFQQIHRKMPDLQLDWT FEPPRDPRHLGAQQRPAHRPGPATSSS
GRSWDHSEELPRSTFNYPGAFSTVLQPSNQVLRRREKVDNVWTEESWNQFLQELETGQRPKKPL
VDDPGEKPSQPIEVLLERELAELSAELDKDLRAIETRLPSPKSSPAPRRAPRPPAGPASAWSSSY
PHAPYLGSARSLSPHKMADGGSPFLGRRDFVYPSSTRDPSASNGGGSPARREEKKRKAARLKFD
QQAQSPKELTLQKGDIVYIHKEVDKNWLEGEHHGRLGIFPANYVEVLPAD EIPKPIKPPTYQVLEYGEA
VAQYTFKGDLEVELSFRKGEHICLIRKVNENWYEGRITGTGRQGIFPASYVQVSREPRRLRLCDDGPQ
LPTSPRLTAAARSARHPSSPSALRSPADPIDLGGQTSPRRTGFSFPTQEPRPQTQNLGTPGPALSHS
RGPSHPLDLGTSSPNTSQIHWTPYRAMYQYRPQNEDELELREGDRVDVMQQCDDGWFVGVSRRT
QKFGTFPGNYVAPV

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 Vinexin (SH3-containing adapter molecule 1) (SCAM-1) (Sorbin and SH3 domain-containing protein 3) 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: Vinexin alpha isoform promotes up-regulation of actin stress fiber formation. Vinexin beta isoform plays a role in cell spreading and enhances the activation of JNK/SAPK in response to EGF stimulation by using its third SH3 domain.

Subcellular Localization: [Isoform Alpha]: Cell junction . Cytoplasm, cytoskeleton . Note=Localized at cell-extracellular matrix junctions (By similarity). Both isoforms were localized at focal adhesion and cell-cell adhesion sites.; [Isoform Beta]: Cell junction . Nucleus. Cytoplasm, cytoskeleton . Note=Localized at cell-extracellular matrix junctions (By similarity). Both isoforms were localized at focal adhesion and cell-cell adhesion sites, vinexin beta was also found in the nucleus.

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.