

Datasheet for ABIN7555617
ST5 Protein (AA 1-1137) (His tag)



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Overview

Quantity:	1 mg
Target:	ST5
Protein Characteristics:	AA 1-1137
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DENND2B Protein expressed in mammalian cells.
Sequence:	MTMTANKNSS ITHGAGGTKA PRGTLRSRSQS VSPPPVLSPP RSPIYPLSDS ETSACRYPSH SSSRVLLKDR HPPAPSPQNP QDPSPDTSPP TCPFKTASFG YLDRSPSACK RDAQKESVQG AAQDVAGVAA CLPLAQSTPF PGPAAGPRGV LLTRTGTRAH SLGIREKISA WEGRREASPR MSMCGEKREG SGSEWAASEG CPSLGCPSVV PSPCSSEKTF DFKGLRRMSR TFSECSYPET EEEGEALPVR DSFYRLEKRL GRSEPSAFLR GHGSRKESSA VLSRIQKIEQ VLKEQPGRGL PQLPSSCYSV DRGKRKTGTL GSLEEPAGGA SVSAGSRAVG VAGVAGEAGP PPEREGSGST KPGTPGNLSPS SQRLPSKSSL DPAVNPVPKP KRTFEYEADK NPKSKPSNGL PPSPTAAPP PLPSTPAPPV TRRPKDMRG HRKSQSRKSF EFEDASSLQS LYPSSPTENG TENQPKFGSK STLEENAYED IVGDLPKENP YEDVDLKSRR AGRKSQQLSE NSLDSLHRMW SPQDRKYNSP PTQLSLKPNS QSLRSGNWSE RKSHRLPRLP KRHSHDDMLL LAQLSLPSSP SSLNEDSLST TSELLSSRRA RRIPLVQRI NSIYNAKRGK KRLKKLSMSS IETASLRDEN SESESDSDDR FKAHTQRLVH IQSMLKRAPS YRTLELELLE WQERELFEYF VVSLKKKPS RNTYLPVSVY

Product Details

QFPKLDLDRPTK QMREAEEERLK AIPQFCFPDA KDWLVPVSEYS SETFSFMLTG EDGSRRFGYC
RRLPSGKGP RLPEVYCVIS RLGCFGLFSK VLDEVERRRG ISAALVYPFM RSLMESPFPA
PGKTIKVKTF LPGAGNEVLE LRRPMSRLE HVDFECLFTC LSVRQLIRIF ASLLLERRVI
FVADKLSTLS SCSHAVVALL YPFSWQHTFI PVLPA SMIDI VCCPTPFLVG LLSSSLPKLK
ELPVEEALMV NLGSDRFIRQ MDEDTLLPR KLQAALEQAL ERKNELISQD SDSDDDECN
TLNGLVSEVF IRFFVETVGH YSLFLTQSEK GERAQREAF RKSVAKSIR RFLEVFMEQ
MFAGFIQDRE LRKCRAGLF EQRVEQYLEE LPDTEQSGMN KFLRGLGNKM KFLHKKN **Sequence
without tag. The proposed Purification-Tag is based on experiences with the expression
system, a different complexity of the protein could make another tag necessary. In case you
have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ST5

Alternative Name: DENND2B ([ST5 Products](#))

Background: DENN domain-containing protein 2B (HeLa tumor suppression 1) (Suppression of

Target Details

tumorigenicity 5 protein),FUNCTION: [Isoform 1]: May be involved in cytoskeletal organization and tumorigenicity. Seems to be involved in a signaling transduction pathway leading to activation of MAPK1/ERK2. Plays a role in EGFR trafficking from recycling endosomes back to the cell membrane (PubMed:29030480). {ECO:0000269|PubMed:29030480, ECO:0000269|PubMed:9632734}, FUNCTION: [Isoform 2]: Guanine nucleotide exchange factor (GEF) which may activate RAB9A and RAB9B. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form. {ECO:0000269|PubMed:20937701}, FUNCTION: [Isoform 3]: May block ERK2 activation stimulated by ABL1 (Probable). May alter cell morphology and cell growth (Probable). {ECO:0000305|PubMed:10229203, ECO:0000305|PubMed:9632734}.

Molecular Weight: 126.5 kDa

UniProt: [P78524](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months