

Datasheet for ABIN7555645
ST14 Protein (AA 1-855) (His tag)



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Overview

Quantity:	1 mg
Target:	ST14
Protein Characteristics:	AA 1-855
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ST14 Protein expressed in mammalian cells.
Sequence:	MGSDRARKGG GPKDFGAGL KYNSRHEKVN GLEEGVEFLP VNNVKKVEKH GPGRWVVLAA VLIGLLLVLV GIGFLVWHLQ YRDVRVQKVF NGYMRITNEN FVDAYENSNS TEFVSLASKV KDALKLLYSY VPFLGPYHKE SAVTAFSEGS VIAYYWSEFS IPQHLVEEAE RVMAEERVVM LPPRARSLKS FVVTSVVAFP TDSKTVQRTQ DNCSFGLHA RGVELMRFTT PGFPDSPYPA HARCQWALRG DADSVLSLTF RSFDLASCDE RGSDDLVTVYN TLSPMEPHAL VQLCGTYPPS YNLTFHSSQN VLLITLITNT ERRHPGFEAT FFQLPRMSSC GGRLRKAQGT FNSPYYPGHY PPNIDCTWNI EVPNNQHVKV RFKFFYLLEP GVPAGTCPKD YVEINGEKYC GERSQFVVT NSNKITVRFH SDQSYTDTGF LAEYLSYDSS DPCPGQFTCR TGRCIRKELR CDGWADCTDH SDELNCSCDA GHQFTCKNKF CKPLFWVWVCS VNDCGDNSDE QGCSCPAQTF RCSNGKCLSK SQQCNGKDDC GDGSDEASCP KVNVTCTKH TYRCLNGLCL SKGNPECDGK EDCSDGSDEK DCDCGLRSFT RQARVVGTD ADEGEWPWQV SLHALGQGHI CGASLISPW LVSAAHCYID DRGFRYSIPT QWTAFLGLHD QSQRSAPGVQ ERRLKRIISH PFFNDFTFDY DIALLELEKP

Product Details

AEYSSMVRPI CLPDASHVFP AGKAIWVTGW GHTQYGGTGA LILQKGEIRV INQTTCELL
PQQITPRMMC VGFLSGGVDS CQGDSGGPLS SVEADGRIFQ AGVVSWDGDC AQRNKPGVYT
RLPLFRDWIK ENTGV **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: ST14

Alternative Name: ST14 ([ST14 Products](#))

Background: Suppressor of tumorigenicity 14 protein (EC 3.4.21.109) (Matriptase) (Membrane-type serine protease 1) (MT-SP1) (Prostamin) (Serine protease 14) (Serine protease TADG-15) (Tumor-associated differentially-expressed gene 15 protein),FUNCTION: Exhibits trypsin-like activity as defined by cleavage of synthetic substrates with Arg or Lys as the P1 site (PubMed:10373424). Involved in the terminal differentiation of keratinocytes through prostaticin (PRSS8) activation and filaggrin (FLG) processing (PubMed:18843291). Proteolytically cleaves and therefore

Target Details

activates TMPRSS13 (PubMed:28710277). {ECO:0000269|PubMed:10373424, ECO:0000269|PubMed:18843291, ECO:0000269|PubMed:28710277}.

Molecular Weight: 94.8 kDa

UniProt: [Q9Y5Y6](#)

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