

Recombinant Full Length Human ST14 Protein

Cat. No. ST14-500HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ST14 with N terminal proprietary tag; Predicted MWt 120.12 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	855 amino acids
Description	The protein encoded by this gene is an epithelial-derived, integral membrane serine protease. This protease forms a complex with the Kunitz-type serine protease inhibitor, HAI-1, and is found to be activated by sphingosine 1-phosphate. This protease has been shown to cleave and activate hepatocyte growth factor/scattering factor, and urokinase plasminogen activator, which suggest the function of this protease as an epithelial membrane activator for other proteases and latent growth factors. The expression of this protease has been associated with breast, colon, prostate, and ovarian tumors, which implicates its role in cancer invasion, and metastasis.
Form	Liquid
Molecular Mass	120.120kDa inclusive of tags
AA Sequence	MGSDRARKGGGGPKDFGAGLKYNSRHEKVNGLLEEGVEFLP VNNVKKVEKHGPGR WVLA AVLIGLLL VLLGIGFLVWHLQ YRDVRVQKVFNQGYMRITNENFVDAYENSNST

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EFVSLASKV KDALKLLYSGVPFLGPYHKESAVTAFSEGSVIAYYWSEFS IPQHLVEE
 AERVMAEERVVMLPPRARSLKSFVVTSVVAFP TDSKTQRTQDNSCSFGLHARGV
 ELMRFTTPGFDPSPYPA HARCQWALRGDADSVLSLTFRSFDLASCDERGSDLVTV
 YN TLSPMEPHALVQLCGTYPPSYNLTFHSSQNVLLITLITNT ERRHPGFEATFFQLP
 RMSSCGGRLRKAQGTFNSPYYPGHY PPNIDCTWNIEVPNNQHVKVRKFFYLLEP
 GVPAGTCPKD YVEINGEKYCGERSQFVVTSSNSKITVRFHSDQSYTDTGF LAEYLS
 YDSSDPCPGQFTCRTGRCIRKELRCDGWADCTDH SDELNCSCDAGHQFTCKNKF
 CKPLFWVCDSVNDCGDNSE QGCSCPAQTFRCNSNGKCLSKSQQCNGKDDCGDG
 SDEASCP KVVVVTCTKHTYRCLNGLCLSKGNPECDGKEDCSDGSDEK DCDCGLR
 SFTRQARVVGTDADGEWVWPVQVSLHALGQGH CGASLISPWLVSAAHCYIDDR
 GFRYSDPTQWTAFLGLHD QSQRSAPGVQERRLKRIISHPPFNDFTFDYDIALLELEK
 P AEYSSMVRPICLPDASHVFPAGKAIWVTGWGHTQYGGTGA LILQKGEIRVINQTT
 CENLLPQQITPRMMCVGFLSGGVDS CQGDSSGGLSSVEADGRIFQAGVVSWDG
 CAQRNKPVGVT RLPLFRDWIKENTGV

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name ST14 suppression of tumorigenicity 14 (colon carcinoma) [Homo sapiens]

Official Symbol ST14

Synonyms ST14; suppression of tumorigenicity 14 (colon carcinoma); PRSS14; suppressor of tumorigenicity 14 protein; epithin; HAI; matriptase; MT SP1; SNC19; TMPRSS14

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Gene ID	6768
mRNA Refseq	NM_021978
Protein Refseq	NP_068813
MIM	606797
UniProt ID	Q9Y5Y6

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