

Product Information

MemDX™ Membrane Protein Human ST14 (ST14 transmembrane serine protease matriptase) Full Length

Cat. No.: **MPC1612K**

This product is for research use only and is not intended for diagnostic use.

This product is a 94.7 kDa Human ST14 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ST14

Protein Length

Full length

Protein Class

Protease

Molecular Weight

94.7 kDa

TMD

1

Sequence

MGSDRARKGGGGPKDFGAGLKYNSRHEKVNGLEEGVEFLPVNNVKKVEKH
GPGRWVVLAAVLIGLLLVLLGIGFLVWHLQYRDVRVQKVFNGYMRITNEN
FVDAYENSNSTEFVSLASKVKDALKLLYSGVPFLGPYHKESAVTAFSEGS
VIAYYWSEFSIPQHLVEEAERVM AEERVV MLPPRARSLKSFVVT SVVAFP
TDSKTVQRTQDNCSFGLHARGVELMRFTTPGFPDSPYPAHARCQWALRG
DADSVLSLTFRSFDLASCDERGS DLT VYNTLSPMEPHALVQLCGTYPPS
YNLTFHSSQNVLLITLITNERRHPGFEATFFQLPRMSSCGRLRKAQGT
FNSPYYPGHYPNIDCTWNIEVPNNQHV KVRKFFYLLEPGVPAGTCPKD
YVEINGEKYCGERSQFVVT SNSNKITVRFHSDQSYTDTGFLAEYLSYDSS
DPCPGQFTCRTGRCIRKELRCDGWADCTDHSD ELNCSCDAGHQFTCKNKF
CKPLFWVCDSVND CGDNSDEQGCSCPAQTFRC SNGKCLSKSQQCNGKDDC
GDGSDEASCPKVNVTCTKHTYRCLNGLCLSKGNPECDGKEDCSDGSDEK
DCDCGLRSFTRQARVVGTD ADEGEWPWQVSLHALGQGHC GASLISPNW
LVSAAHCYIDDRGFRYSDPTQWTAFLGLHDQSQRSAPGVQERRLKRIISH
PFFNDFTFDYDIALLELEKPAEYSSMVRPICLPDASHVFPAGKAIWVTGW
GHTQYGGTGALILQKGEIRVINQTT CENLLPQQITPRMMCVGFLSGGVDS
CQGDSGGPLSSVEADGRIFQAGV VSWGDGCAQRNKPGVYTRLPLFRDWIK
ENTGV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ST14

Full Name

ST14 transmembrane serine protease matriptase

Introduction

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.

Alternative Names

ST14; HAI; CAP3; MTSP1; SNC19; ARCI11; MT-SP1; PRSS14; TADG15; TMPRSS14; suppressor of tumorigenicity 14 protein; channel-activating protein 3; membrane-type serine protease 1; prostamin; serine protease 14; serine protease TADG-15; suppression of tumorigenicity 14 (colon carcinoma); suppression of tumorigenicity 14 (colon carcinoma, matriptase, epithin); tumor associated differentially expressed gene 15 protein; ST14 transmembrane serine protease matriptase

Gene ID

[6768](#)

UniProt ID

[Q9Y5Y6](#)