

Recombinant Human Transmembrane Protease, Serine 11E, His-tagged

Cat. No. TMPRSS11E-2113H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMPRSS11E was produced in <i>Drosophila Schneider 2 (S2) cells</i> . Recombinant human DESC1 (aa 44-423) is fused at the C-terminus to a V5-His-tag. The molecular weight was about 45kDa; a-subunit: ~13kDa; b-subunit: ~32kDa.
Species	Human
Source	S2 Cells
ProteinLength	44-423 a.a.
Description	DESC1 (differentially expressed in squamous cell carcinoma gene 1), a member of the TTSP (type II transmembrane serine protease) family of serine proteases, is an epithelial-specific enzyme that has been found downregulated in squamous cell carcinoma of the head and neck region. We describe new properties of DESC1 suggesting that this protease may be involved in the progression of some type of tumours. Thus, this enzyme hydrolyses some extracellular matrix components, such as fibronectin, gelatin or fibrinogen.
Formulation	Liquid. In 100mM TRIS, pH 9.0, containing 200mM sodium chloride and 10% glycerol.
Concentration	100nM.
Biological Activity	Trypsin-like serine protease.

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Specific Activity ~2.5U/μ One unit is defined at the amount of enzyme that releases 1nmol of AMC per min. at 37°C in the presence of 50μM Boc-Gln-Ala-Arg-AMC.

Stability Stable for at least 6 months when stored at -20°C. Recommended Assay Buffer: 100mM TRIS, pH 9.0, containing 5mg/ml BSA. Do not store diluted solutions.

GENE INFORMATION

Gene Name [TMPRSS11E transmembrane protease, serine 11E \[Homo sapiens \]](#)

Synonyms

TMPRSS11E; transmembrane protease, serine 11E; DESC1; FLJ75331; FLJ94490; MGC141972; MGC141974; TMPRSS11E2; transmembrane protease serine 11E; serine protease DESC1; transmembrane protease serine 11E2; transmembrane protease, serine 11E2; transmembrane protease, serine 11E-like; EC 3.4.21.-; Transmembrane protease serine 11E non-catalytic chain; Transmembrane protease serine 11E catalytic chain

Gene ID [28983](#)

mRNA Refseq [NM_014058](#)

Protein Refseq [NP_054777](#)

MIM [610399](#)

UniProt ID [Q9UL52](#)

Chromosome Location 4q13.2

Function peptidase activity; protein binding; serine-type endopeptidase activity; serine-type

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peptidase activity

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