

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)</i> cells. 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 50mM 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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