

Active Recombinant Mouse St14, His-tagged

Cat. No. St14-210M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse St14 (Gly596-Val855) fused with an N-terminal Met and 6-His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	596-855 a.a.
Description	Suppressor of tumorigenicity 14 protein, also known as matriptase, is a protein that in humans is encoded by the ST14 gene. ST14 orthologs have been identified in most mammals for which complete genome data are available.
Predicted N Terminal	Met & Val615
Formulation	Supplied as a 0.2 µm filtered solution in Tris and Glycerol.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Boc-QAR-AMC. The specific activity is >4,000 pmol/min/g.
Molecular Mass	3 kDa & 26 kDa
Endotoxin	< 1.0 EU per 1 µg of the protein by the LAL method.
Purity	>75%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 °C as supplied. 3 months, -20 to -70 °C under sterile conditions after opening.

GENE INFORMATION

Gene Name	St14 suppression of tumorigenicity 14 (colon carcinoma) [Mus musculus (house mouse)]
Official Symbol	St14
Synonyms	St14; mCAP3; MT-SP1; Prss14; Epithin; Tmprss14; matriptase; suppression of tumorigenicity 14 (colon carcinoma); suppressor of tumorigenicity 14 protein homolog; matriptase/MT-SP1; serine protease 14; protease, serine, 14 (epithin); EC 3.4.21.109
Gene ID	19143
mRNA Refseq	NM_011176
Protein Refseq	NP_035306
UniProt ID	P56677
Chromosome Location	9 A4; 9 16.61 cM
Function	catalytic activity; hydrolase activity; peptidase activity; serine-type endopeptidase activity

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