

## Active Recombinant Mouse St14 Protein, Met & His-tagged

**Cat. No.** St14-653M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse St14 (Accession # NP_035306) Gly596-Val855, fused with an N-terminal Met and 6-His tag, was produced in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly596-Val855
<b>Predicted N Terminal</b>	Met & Val615
<b>Form</b>	Supplied as a 0.2 µ filtered solution in Tris and Glycerol.
<b>Bio-activity</b>	Measured by its ability to cleave the fluorogenic peptide substrate Boc-QAR-AMC. The specific activity is >4,000 pmol/min/µg, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Mouse St14, Met & His-tagged has a calculated MW of 3 kDa & 26 kDa. In SDS-PAGE migrates as 28 kDa, reducing conditions.
<b>Purity</b>	>75%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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**Reconstitution** Reconstitute at 25 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name** St14 suppression of tumorigenicity 14 (colon carcinoma) [ Mus musculus ]

**Official Symbol** St14

**Synonyms** ST14; suppression of tumorigenicity 14 (colon carcinoma); suppressor of tumorigenicity 14 protein homolog; matriptase/MT-SP1; serine protease 14; protease, serine, 14 (epithin); mCAP3; MT-SP1; Prss14; Epithin; Tmprss14; matriptase;

**Gene ID** 19143

**mRNA Refseq** NM\_011176

**Protein Refseq** NP\_035306

**MIM**

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