

Matriptase-2 from Human, Recombinant

Cat. No. NATE-0857

Lot. No. (See product label)

Introduction

Description Matriptase-2 (TMPRSS6) is a type II transmembrane serine protease mainly produced by the liver. It acts as a potent negative regulator of hepcidin, a hepatic peptide hormone and integral player in regulating iron homeostasis.

Synonyms Transmembrane protease serine 6; TMPRSS6; Matriptase-2

Product Information

Species Human

Source Drosophila Schneider 2 (S2) cells

Form Liquid. In 100mM TRIS-HCl, pH 9.0, containing 150 mM sodium chloride and 20% glycerol.

EC Number EC 3.4.21.-

Molecular Weight ~84 kDa; a-subunit: ~56kDa; b-subunit: ~28kDa

Purity Purified by multi-step chromatography.

Activity ~2.5U/μl

Unit Definition One unit is defined as the amount of enzyme that releases 10pmol of AMC per min. at 37°C in the presence of 50μM Boc-Gln-Ala-Arg-AMC.

Storage and Shipping Information

Storage Short Term Storage: -20°C; Long Term Storage: -80°C

Stability Stable for at least 6 months when stored at -20°C. Recommended Assay Buffer: 100mM TRIS, pH 9.0, containing 0.5mg/ml BSA. Do not store diluted solutions.