

## 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.