

Trypsin-3, 81-304aa, Human, His tag, Insect cell

Cat.NO.: TP04317

3th Edition

Synonyms:PRSS3, MTG, PRSS4, T9, TRY3, TRY4

Description:PRSS3, also known as trypsin-3, is a member of the trypsin family of serine proteases. It is specialized for the degradation of trypsin inhibitors and may be involved in defensin processing, including DEFA5. This protein is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. Compared to PRSS1 and 2, one intriguing feature of PRSS3 is its resistance to polypeptide trypsin inhibitors, such as the Kunitz-type soybean trypsin inhibitor or the Kazal-type pancreatic secretory trypsin inhibitor. Recombinant human PRSS3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:25.3kDa (233aa) 28-40KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPIVGGYTCEENSLPYQVSLNSGSHFCGGSLISEQWVVSAAHCYKTRIQVRLGEHNIKVLEGNEQFINAAKIIRHPK
YNRDTLDNDIMLIKLSPPAVINARVSTISLPTAPPAAGTECLISGWGNTLSFGADYPDELKCLDAPVLTQAECKASYP
GKITNSMFCVGFLEGGKDSCQRDSGGPVCNGQLQGVVSWG HGCAWKNRPGVYTKVYNYVDWIKDTIAANSHH
HHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.