

PRSS3, 81-304aa, Human, His tag, E.coli

Cat.NO.: TP03551

3th Edition

Synonyms:Trypsin-3 isoform 1, MTG, PRSS4, T9, TRY3, TRY4

Description:PRSS3 is a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme 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. This gene is localized to the locus of T cell receptor beta variable orphans on chromosome 9. Four transcript variants encoding different isoforms have been described for this gene. Recombinant human PRSS3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:26 kDa (247aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSIVGGYTCEENSLPYQVSLNSGSHFCGGSLLISEQWVVSAAHCYKTRIQVRLG
EHNIKVLEGNEQFINAAKIIRHPKYNRDTLDNDIMLIKLSPPAVINARVSTISLPTAPPAAGTECLISGWGNTLSFGADY
PDELKCLDAPVLTQAECKASYPGKITNSMFCVGFLEGGKDSCQRDSGGPVVCNGQLQGVSWSGHGCAWKNRPG
VYTKVYNYVDWIKDTIAANS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.