

Recombinant human mesotrypsin/PRSS3 protein

Catalog Number: ATGP2255

PRODUCT INFORMATION

Expression system

E.coli

Domain

81-304aa

UniProt No.

P35030

NCBI Accession No.

NP_031369.2

Alternative Names

Brain trypsinogen, Mesotrypsin, Mesotrypsinogen, Serine protease 3, Serine protease 4, Trypsin-3, Trypsin III, Trypsin IV, PRSS4, TRY3, TRY4

PRODUCT SPECIFICATION

Molecular Weight

26 kDa (247aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

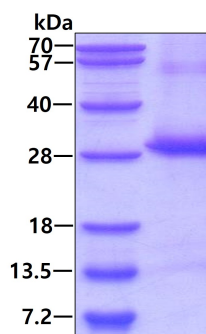
<MGSSHHHHHH SSGLVPRGSH MGS>IVGGYTC EENSLPYQVS LNSGSHFCGG SLISEQWVVS AAHCYKTRIQ
VRLGEHNIKV LEGNEQFINA AKIIRHPKYN RDTLDNDIML IKLSSPAVIN ARVSTISLPT APPAAGTECL ISGWGNTLSF
GADYPDELKC LDAPVLTQAE CKASYPGKIT NSMFCVGFLE GGDSCQRDS GGPVVCNGQL QGVVSWGHGC
AWKNRPGVYT KVYNYVDWIK DTIAANS

General References

Masson E, Le Marechal C, et al. (2008). Pancreas. 37(2):227-8.
Jiang G, Cao F, et al. (2010). Gut. 59(11):1535-44.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.