

TPSAB1, 31-275aa, Human, His tag, E.coli

Cat.NO.: TP04291

3th Edition

Synonyms:Tryptase alpha/beta-1, TPS1, TPS2, TPSB1

Description:TPSAB1, also known as tryptase alpha/beta-1, is a tryptase that is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type. It is enzymatically active only as a heparin-stabilized tetramer, and it is resistant to all known endogenous proteinase inhibitors. This protein has been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. Recombinant human TPSAB1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:30.1 kDa(270aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMIVGGQEAPRSKWPWQVSLRVHGPYWMHFCCGGLIHPQWVLTAAHCVG
PDVKDLAALRVQLREQHLYYQDQLLPVSRIIVHPQFYTAQIGADIALLEEPVNVSSHVHTVTLPPASETFFPPGMPC
WVTGWGDVDNDERLPPPFPLKQVKVPIMENHICDAKYHLGAYTGDDVRIVRDDMLCAGNTRRDSCQGDSGGPLV
CKVNGTWLQAGVVSWECECAQPNRPGIYTRVTTYLDWIHHYVPPKP

Purity:> 95% by HPLC

Concentration:1.0 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.