

TPSAB1 Protein, Human (HEK293, His)

Cat. No.:	HY-P71377
Synonyms:	tryptase alpha/beta 1; Tryptase 1; TPS1; TPS2; TPSAB1; TPSB1
Species:	Human
Source:	HEK293
Accession:	Q86TM8 (I31-P275)
Gene ID:	/
Molecular Weight:	32-37 kDa

PROPERTIES

AA Sequence	<pre> I V G G Q E A P R S K W P W Q V S L R V R D R Y W M H F C G G S L I H P Q W V L T A A H C L G P D V K D L A T L R V Q L R E Q H L Y Y Q D Q L L P V S R I I V H P Q F Y I I Q T G A D I A L L E L E E P V N I S S R V H T V M L P P A S E T F P P G M P C W V T G W G D V D N D E P L P P P F P L K Q V K V P I M E N H I C D A K Y H L G A Y T G D D V R I I R D D M L C A G N T R R D S C Q G D S G G P L V C K V N G T W L Q A G V V S W D E G C A Q P N R P G I Y T R V T Y Y L D W I H H Y V P K K P </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 1 M NaCl, 0.05 mM Heparin, 50 mM sodium acetate, containing 0.01% sodium azide, pH 5.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Tryptase alpha/beta 1 protein (TPSAB1) belongs to a family of trypsin-like serine proteases, the peptidase family S1. TPSAB1 is enzymatically active and get involved in proteolysis only as heparin-stabilized tetramers, and TPSAB1 is resistant to all known endogenous proteinase inhibitors. Beta tryptase appears to be the main isoenzymes expressed in mast cells; whereas in basophils, alpha tryptase predominate. TPSAB1 has been implicated as mediators in the pathogenesis of</p>
------------	--

asthma, inflammatory bowel disease, inflammatory arthritis and other allergic and inflammatory disorders^{[1][2][3][4]}.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA