

32-2750: PSMB3 Recombinant Protein

Alternative Name : Proteasome (prosome,macropain) subunit beta type 3,Proteasome chain 13,HC10-II,Proteasome component C10-II,Proteasome theta chain,EC 3.4.25.1,MGC4147.

Description

Source : Escherichia Coli. PSMB3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 225 amino acids (1-205 a.a.) and having a molecular mass of 25.1kDa.PSMB3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. The proteasome is a multicatalytic proteinase complex with an extremely organized ring-shaped 20S core structure. The core structure consists of 4 rings of 28 non-identical subunits; 2 rings consist of 7 alpha subunits and 2 rings consist of 7 beta subunits. Proteasomes are spread all over the eukaryotic cells in large quantities and cleave peptides in an ATP/ubiquitin-dependent procedure in a non-lysosomal pathway. A vital role of a modified proteasome, the immunoproteasome, is the handling of class I MHC peptides.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : PSMB3 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 1mM DTT and 50% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MSIMSYNGGA VMAMKGKNCV AIAADRRFGI QAQMVTDFQ
 KIFPMGDRLY IGLAGLATDV QTVAQRLKFR LNLVELKEGR QIKPYTLMSM VANLLYEKRF GPYYTEPVIA
 GLDPKTFKPF ICSLDLIGCP MVTDDFVVSG TCAEQMYGMC ESLWEPNMDP DHLFETISQA MLNAVDRDAV
 SGMGVIVHII EKDKITRTL KARMD

