

PSMB3 Human

Description: 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.

Catalog #: ENPS-207

For research use only.

Synonyms: 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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MSIMSYNGGA VMAMKGKNCV
AIAADRRFGI QAQMVTDFQ KIFPMGDRLY IGLAGLATDV QTVAQRLKFR LNLVELKEGR
QIKPYTLMSM VANLLYEKRF GPYYTEPVIA GLDPKTFKPF ICSLDLIGCP MVTDDFVVS
G TCAEQMYGMC ESLWEPNMDP DHLFETISQA MLNAVDRDAV SGMGVIVHII EKDKITRTL
KARMD

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

PSMB3 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 1mM DTT and 50% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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