www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

PSMA3 Human

Catalog #:ENPS-203

For research use only.

Description:PSMA3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 275 amino acids (1-255) and having a molecular mass of 30.6 kDa.PSMA3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:proteasome (prosome, macropain) subunit alpha type-3, HC8, Macropain subunit C8, Multicatalytic endopeptidase complex subunit C8, Proteasome component C8, PSC3, PSC8, EC 3.4.25.1.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MSSIGTGYDL SASTFSPDGR VFQVEYAMKA VENSSTAIGI RCKDGVVFGV EKLVLSKLYE EGSNKRLFNV DRHVGMAVAG LLADARSLAD IAREEASNFR SNFGYNIPLK HLADRVAMYV HAYTLYSAVR PFGCSFMLGS YSVNDGAQLY MIDPSGVSYG YWGCAIGKAR QAAKTEIEKL QMKEMTCRDI VKEVAKIIYI VHDEVKDKAF EL

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
The PSMA3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% 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 drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
The proteasome is a multicatalytic proteinase complex which holds an extremely organized 20S core structure shaped like a ring. The central structure is assembled from 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. There is a high concentration of proteasomes all over the eukaryotic cells and their job is to cleave peptides in an ATP/ubiquitin-dependent procedure in a non-lysosomal pathway. PSMA3 encodes several of the peptidase T1A family which is a 20S core alpha subunit. Two alternative transcripts encoding diverse isoforms were recognized.

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