

PSMA1 Human

Description: PSMA1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 286 amino acids (1-263) and having a molecular mass of 32.0 kDa. PSMA1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-185

For research use only.

Synonyms: Proteasome (prosome macropain) subunit alpha type 1, PROS30, HC2, NU, Macropain subunit C2, Multicatalytic endopeptidase complex subunit C2, Proteasome component C2, Proteasome nu chain, 30 kDa prosomal protein, protein P30-33K, PROS-30, PSC2, EC 3.4.25.1

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMFRNQYD NDVTWSPQG
RIHQIEYAME AVKQGSATVG LSKSTHAVLV ALKRAQSELA AHQKKILHVD NHIGISIAGL
TADARLLCNF MRQECLDSRF VFDRPLVSR LVSLIGSKTQ IPTQRYGRRP YGVGLLIAGY
DDMGPHIFQT CPSANYFDCR AMSIGARSQS ARTYLERHMS EFMECNLNEL VKHGLRALRE
TLPAEQDLTT KN

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

Formulation:

The PSMA1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 2mM 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 drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

PSMA1 is a prosomal protein who takes part in a nonlysosomal ATP/ubiquitin-dependent proteolytic pathway. PSMA1 is a multicatalytic proteinase complex that is characterized by its capacity to cleave peptides with Arg, Phe, Tyr, Leu, and Glu next to the leaving group at neutral or slightly basic pH. PSMA1 is vastly expressed in prostate epithelium.

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