

PSMF1 Human

Description: PSMF1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 291 amino acids (1-271) and having a molecular mass of 31.9kDa. PSMF1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-231

For research use only.

Synonyms: Proteasome inhibitor PI31 subunit, hPI31, PSMF1, PI31.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAGLEVLFA AAPAITCRQD
ALVCFHWEV VTHGYCGLGV GDQPGPNDKK SELLPAGWNN NKDLYVLYE YKDGSRKLLV
KAITVESSMI LNVLEYGSQQ VADLTNLDD YIDAEHLGDF HRTYKNSEEL RSRIVSGIIT
PIHEQWEKAN VSSPHREFPP ATAREVDPLR IPPHPHTSR QPPWCDPLGP FVVGGEDLDP
FGPRRGGMIV DP

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:

The PSMF1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 1mM DTT and 0.1mM PMSF.

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:

PSMF1 is a protein which hinders the activation of the proteasome by the 11S and 19S regulators. The 26S proteasome is a multicatalytic proteinase complex with an extremely ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is comprised of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits.

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