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32-4529: Recombinant Human Proteasome Activator Subunit 3

Alternative Name :	Proteasome (prosome,macropain) activator subunit 3 (PA28 gamma; Ki),PA28G,Ki,Ki nuclear autoantigen,PA28-gamma,REG-GAMMA,Activator of multicatalytic protease subunit 3,Proteasome activator 28 subunit gamma,11S regulator complex subunit gamma

Description

Source : E.coli. PSME3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 274 amino acids (1-254 a.a.) and having a molecular mass of 31.7kDa. PSME3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PSME3 is a member of the PA28 family. The 26S proteasome is an extremely organized multicatalytic proteinase complex composed of 2 complexes, a 20S core and a 19S regulator. Proteasomes are spread all over the eukaryotic cells in large quantities and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. PSME3 stimulates the trypsin-like catalytic subunit of the proteasome and inhibits the chymotrypsin-like and postglutamyl-preferring (PGPH) subunits. PSEM3 enables the MDM2-p53/TP53 collaboration that encourages ubiquitination- and MDM2-dependent proteasomal degradation of p53/TP53, restricting its growth and causing inhibited apoptosis after DNA damage.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	PSME3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 2mM DTT and 40% 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 SSGLVPRGSH MASLLKVDQE VKLKVDSFRE RITSEAEDLV ANFFPKKLLE LDSFLKEPIL NIHDLTQIHS DMNLPVPDPI LLTNSHDGLD GPTYKKRRLD ECEEAFQGTK VFVMPNGMLK SNQQLVDIIE KVKPEIRLLI EKCNTVKMWV QLLIPRIEDG NNFGVSIQEE TVAELRTVES EAASYLDQIS RYYITRAKLV SKIAKYPHVE DYRRTVTEID EKEYISLRLI ISELRNQYVT LHDMILKNIE KIKRPRSSNA ETLY

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