PSMC6
Recombinant Human PSMC6 T7 Tag

Catalog No.	CRP166	**Quantity:**	50 µg

Alternate Names: Proteasome (prosome, macropain) 26S subunit, ATPase, 6. P44, p42, SUG2, CADP44

Description: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This protein represents one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity.

Gene ID: 5706

Protein Accession No: NP_002797

Source: *E. coli*

Molecular Weight: 44.7 kDa (Calculated)

Formulation: 10 mM Tris, pH 8.0, + 0.1% Triton X-100 + 0.002% Sodium Azide. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Purity: 95%

Fusion Partner: T7 tag at N-terminus

Domain: aa 1-389

Applications: This recombinant protein can be used for Western blot, ELISA, Mass Spectrometry.

Storage & Stability: Store at -80ºC. As with any protein, exposing PSMC6 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature. During shipment, small volumes of PSMC6 recombinant protein will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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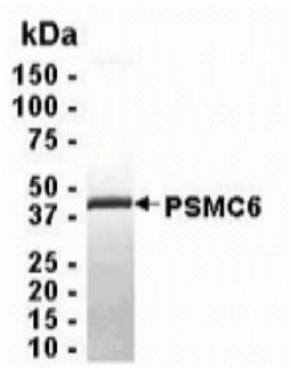
SDS PAGE: Analysis of PSMC6 recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.



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