

Recombinant Human PSMC5 protein, His-tagged

Cat. No. PSMC5-3184H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMC5 protein(1-406 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-406 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MALDGPEQMELEEGKAGSGLRQYYLSKIEELQLIVNDKSQNLRLQAQRNELNAKV RLLREELQLLQEQGSYVGEVVRAMDKKKVLVKVHPEGKFVVDVDKNIDINDVTPNC RVALRNDSTLHKILPNKVDPLVSLMMVEKVPDSTYEMIGGLDKQIKEIKEVIELPVKH PELFEALGIAQPKGVLVLYGPPGTGKTLARAVAHHTDCTFIRVSGSELVQKFIGEGAR MVRELFVMAREHAPSIIFMDEIDSIGSSRLEGGSGGDSEVQRTMLELLNQLDGFEAT KNIKVIMATNRIDILDSALLRPGRIDRKIEFPPPNEEARLDILKIHSRKMNLTRGINLRKI AELMPGASGAEVKGVCTEAGMYALRERRRVHVTQEDFEMAVAKVMQKDSEKNMSIK KLWK
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks).

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name PSMC5 proteasome (prosome, macropain) 26S subunit, ATPase, 5 [Homo sapiens]

Official Symbol PSMC5

Synonyms

PSMC5; proteasome (prosome, macropain) 26S subunit, ATPase, 5; 26S protease regulatory subunit 8; p45; p45/SUG; S8; SUG 1; SUG1; TBP10; TRIP1; MSUG1 protein; proteasome subunit p45; thyroid receptor interactor 1; Tat-binding protein homolog 10; proteasome 26S ATPase subunit 5; proteasome 26S subunit ATPase 5; 26S proteasome AAA-ATPase subunit RPT6; thyroid hormone receptor-interacting protein 1; SUG-1;

Gene ID 5705

mRNA Refseq NM_001199163

Protein Refseq NP_001186092

MIM 601681

UniProt ID P62195

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