

---

**Product Data Sheet**


---

Product Name: PSMG2 Human  
 Cat. No.: GP24262  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Proteasome assembly chaperone 2; PAC-2; Hepatocellular carcinoma-susceptibility protein 3; Tumor necrosis factor superfamily member 5-induced protein 1; PSMG2; HCCA3; PAC2; TNFSF5IP1; CLAST3; MDS003; HsT1707; MGC15092.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMFVPCGE SAPDLAGFTL LMPAVSVGNV GQLAMDLIIS TLNMSKIGYF YTDCLVPMVG NNPYATTEGN STELSINAEV YSLPSRKLVA LQLRSIFIKY KSKPFCEKLL SWVKSSGCAR VIVLSSSHSY QRNDLQLRST PFRYLLTPSM QKSVQNKIKS LNWEEMEKSR CIPEIDDSEF CIRIPGGGIT KTLYDESCSK EIQMAVLLKF VSEGDNIPDA LGLVEYLNEW LQILKPLSDD PTVSASRWKI PSSWRLIFGS GLPPALF.		
Formulation	PSMG2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol and 0.1M NaCl.		

**Introduction**

Proteasome assembly chaperone 2 (PSMG2) stimulates assembly of the 20S proteasome as part of a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits and promotes compilation of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization. PSMG2 is widely expressed with highest levels in the lung, brain and colon. It is moderately expressed in the muscle, stomach, spleen and heart, and weakly expressed in the small intestine, pancreas and liver. It is also highly expressed in hepatocellular carcinomas with low levels in surrounding liver tissue.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

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.

### Background

PSMG2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 287 amino acids (1-264 a.a.) and having a molecular mass of 31.8kDa. PSMG2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**