

32-4530: Recombinant Human Proteasome Assembly Chaperone 2

Alternative Name : 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.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : PSMG2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol and 0.1M NaCl.

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 MGSMFVPCGE SAPDLAGFTL LMPAVSVGNV GQLAMDLIIS
TLNMSKIGYF YTDCLVPMVG NNPYATTEGN STELSINAEV YSLPSRKLVA LQLRSIFIKY
KSKPFCEKLL SWVKSSGCR VIVLSSSHSY QRNDLQLRST PFRYLLTPSM QKSVQNKIKS
LNWEEMEKSR CIPEIDDSEF CIRIPGGGIT KTLYDESCSK EIQMAVLLKF VSEGDNIPDA
LGLVEYLNEW LQILKPLSDD PTVSASRWKI PSSWRLLFGS GLPPALF.

