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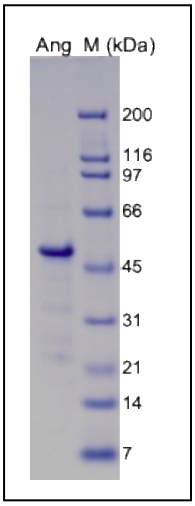
Recombinant PSMD4 Protein

Catalog Number	Size
AG220-10	10ug
AG220-25	25ug
AG220-B	Bulk

Description



The recombinant human 26S Proteasome non-ATPase subunit 4 (h-PSMD4) was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 392 (12+380) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 50kDa.

MHHHHHHGGGLEMVLESTMVCVDNSEYMRNGDFLPTRLQAQQDAVNIVCH
SKTRSNPENNVGLITLANDCEVLTTLTPDTGRILSKLHTVQPKGKITFCT
GIRVAHLALKHRQGKNHKMRIIAFVGSPVEDNEKDLVKLAKRLKKEKVNV
DIINFGEEEVNTEKLTAFVNTLNGKDGTGSHLVTVPPGPSLADALISSPI
LAGEGGAMLGLGASDFEFGVDPSADPELALALRVSMEEQRQRQEEEARRA
AAASAAEAGIATTGTEGERDSDDALLKMTISQQEFGRTGLPDLSSMTEEE
QIAYAMQMSLQGAEFGQAESADIDASSAMDTSEPAKEEDDYDVMQDPEFL
QSVLENLPGVDPNNEAIRNAMGSLASQATKDGKKDKKEEDKK

Accession Number NM_001330692

Molecular Mass Approximately 50kDa.

Purity ≥90%, as determined by SDS-PAGE.

Biological Activity The 26S proteosome non-ATPase regulatory subunit 4 (PSMD4 or Angiocidin) is a component of 26S complex that degrades ubiquitinated proteins including c-jun, NF-kB, WT1 and other transcription factors. Overexpression of PSMD4 has been observed in breast cancer. The recombinant PSMD4 is suitable for the studies of induction of human acute monocytic leukemia cells (THP-1) to differentiate into macrophages and for drug screening assays.

Formulation 20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage The protein sample can be stored under sterile conditions at 2-8ºC for one month or at -20ºC to -70ºC for three months without detectable loss of activity. ***(Avoid repeated freeze-thaw cycle)***

FOR RESEARCH USE ONLY!!!