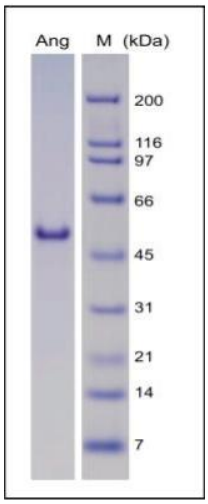
AscentGene, Inc.
900 Clopper Road
Suite 130
Gaithersburg, MD 20878

PSMD4(Human Recombinant)

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

Specifications and Use

Description



26S proteasome non-ATPase regulatory subunit 4 (PSMD4 or S5a or angiocidin) is a component of 26S (~2000kDa) complex that degrades ubiquitinated proteins including c-jun, NF-kB, WT1 and other transcription factors. Overexpression of PSMD4 has been observed in breast cancer and its overexpression correlates with poor survival. Recombinant human PSMD4 was expressed in E coli and purified by the combination of Ni-affinity and conventional/FPLC chromatography methods to >95% homogeneity.

MHHHHHHGGGLEMVLESTMVCVDNSEYMRNGDFLPTRLQAQQDAVNIVCH
SKTRSNPENNVGLITLANDCEVLTTLTPDTGRILSKLHTVQPKGKITFCTGIRVA
HLALKHRQGKNHKMRIIAFVGSPVEDNEKDLVKLAKRLKKEKVNVDIINFGE
EEVNTEKLTAFVNTLNGKDGTGSHLVTVPPGPSLADALISSPILAGEGGAMLG
LGASDFEFGVDPSADPELALALRVSMEEQRQRQEEEARRAAAASAAEAGIATT
GTEGERDSDDALLKMTISQQEFGRTGLPDLSSMTEEEQIAYAMQMSLQGAEF
GQAESADIDASSAMDTSEPAKEEDDYDVMQDPEFLQSVLENLPGVDPNNEAIR
NAMGSLASQATKDGKKDKKEEDKK

Accession Number	NP_001317621
Source	E coli
Molecular Mass	Approximately 50kDa
Purity	≥95%, as determined by SDS-PAGE
Biological Activity	Recombinant PSMD4 (S5a) protein is suitable for inducing human acute monocytic leukemia cells (THP-1 cells) to differentiate into macrophages.
Formulation	20mM Tris-Cl, pH7.9, 20% glycerol, 100mM NaCl and 0.5mM EDTA. Sterilized by passing through a 0.2mm filter.
Storage	The protein sample can be stored under sterile conditions at 2-8°o C for one month or at -20°o C to -80°o C for three months without detectable loss of activity.
Special Notes	**FOR RESEARCH ONLY**