

## PSMD3 Protein, Human, Recombinant (His)

## General Information

Synonyms:	PSMD3;26S proteasome regulatory subunit S3;26S proteasome non-ATPase regulatory subunit 3;Proteasome subunit p58;26S proteasome regulatory subunit RPN3
Protein Construction:	1-534 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	O43242
Molecular Weight:	63 kDa (predicted); 70 kDa (reducing conditions)
AA Sequence:	MKQEGSARRRGADKAKPPPGGGEQEP PPPAPQDVEMKEEAATGGGSTGEADGKTA AAAAEHSQRELDTV TLEDIKEHV KQLEKAVSGKEPRFVLRALRMLPSTSRRLNHYVLYKAVQGGFTSNNATRD FLLPFLEEPMDTEAD LQFRPRTGKAAS TPLLPEVEAYLQLLVIFMMNSKRYKEAQKISDDL MQKISTQNRRALDLVAAKCYYYHARV YEFLDKLDVRSFLHARLRTATLRHDADGQATLLNLLL RNYLHYSLYDQAEKLVSKSVFPEQANNNEWARYL YYTGRIKAIQLEYSEARRTMTNLRKAPQHTAVGFKQTVHKLLIVVELLGEIPDRLQFRQPSLKRSLMPYFLLT QAVRTGNLAKFNQVLDQFGEKQADGTYTLIIRLRHNVIKTGVRMISLSYSRISLADIAQKLQD SPEDAEFIVA KAIRDGVI EASINHEKGYVQSKEMIDIYSTREPQLAFHQ RISRIFCLDIHNMSVKAMRFPPKSYNKDLES AEERRE REQQDLEFAKEMAEDDDDSFP

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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