

Active Recombinant Rat PSMA protein, His-tagged

Cat. No. PSMA-2193R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PSMA protein(Lys 45 - Asp 752), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Lys 45 - Asp 752
Form	Supplied as 0.2 µm filtered solution in 25 mM MES, 500 mM NaCl, pH6.5 with trehalose as protectant.
Bio-activity	Measured by its ability to hydrolyze the substrate N-acetyl-L-Asp-L-Glu into N-acetyl-L-Asp and L-Glu. The L-Glu product is measured by fluorescence after its derivatization by ortho-phthaldialdehyde. The specific activity is >300 pmol/min/µg, as measured under the described conditions.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 81.4 kDa. The protein migrates as 95-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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