

Active Recombinant Cynomolgus PSMA protein, His-tagged

Cat. No. PSMA-0646C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus PSMA protein(Lys44-Ala750), fused with His tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	44-750 a.a.
Form	Supplied as 0.2 µm filtered solution in MES and NaCl with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus PSMA, His Tag at 2 µg/mL (100 µL/well) can bind Monoclonal Anti-Human PSMA Antibody, Human IgG1 with a linear range of 0.2-4 ng/mL. 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 >250 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 100-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Lys44-Ala750
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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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