

Recombinant Monkey NPR1 Protein, His-tagged

Cat. No. NPR1-11128M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus NPR1 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Gly 33 - Glu 473 (Accession # XP_005541810.1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Gly 33. The protein is designed as a dimer.
Species	Monkey
Source	HEK293
ProteinLength	33-473 aa
Description	Receptor for the atrial natriuretic peptide NPPA/ANP and the brain natriuretic peptide NPPB/BNP which are potent vasoactive hormones playing a key role in cardiovascular homeostasis. Has guanylate cyclase activity upon binding of the ligand.
Form	Lyophilized from 0.22 µm filtered solution in PBS, 0.2 M Arginine, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 53.8 kDa. The protein migrates as 62-80 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.

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Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please 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 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

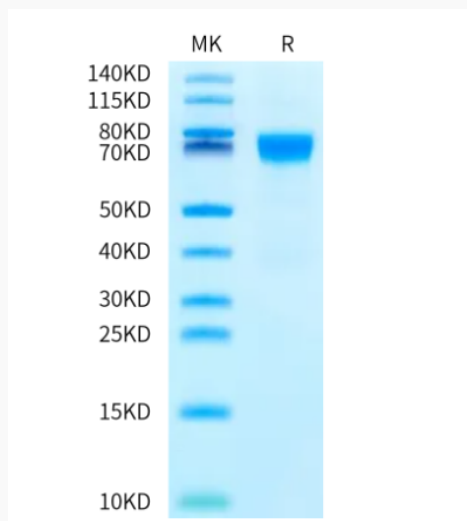
Gene Name	NPR1 natriuretic peptide receptor 1 [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	NPR1
Synonyms	NPR1; natriuretic peptide receptor 1; atrial natriuretic peptide receptor 1; natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A)
Gene ID	102143449
mRNA Refseq	XM_005541753
Protein Refseq	XP_005541810
UniProt ID	G7NUH6

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SDS-PAGE.



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