

Active Recombinant Human NPR1 protein, Fc-tagged

Cat. No. NPR1-0539H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPR1 protein(Gly33-Glu473), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	33-473 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human NPR1, Fc Tag at 5 µg/mL (100 µL/well) can bind Anti-NPR1 antibody with a linear range of 0.6-20 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 75.3 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gly33-Glu473
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.

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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.
GENE INFORMATION	
Gene Name	NPR1 natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A) [Homo sapiens]
Official Symbol	NPR1
Synonyms	NPR1; natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A); ANPRA, NPRA; atrial natriuretic peptide receptor 1; ANPa; GUCY2A; GC-A; ANP-A; NPR-A; ANPR-A; guanylate cyclase A; natriuretic peptide receptor A; atrionatriuretic peptide receptor A; natriuretic peptide A type receptor; atrial natriuretic peptide receptor type A; NPRA; ANPRA; GUC2A;
Gene ID	4881
mRNA Refseq	NM_000906
Protein Refseq	NP_000897
MIM	108960
UniProt ID	P16066