

Recombinant Human NPR1 protein, His-SUMO-tagged

Cat. No. NPR1-3285H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPR1 protein(P16066)(33-473aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	33-473aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	64.9 kDa
AA Sequence	GNLTVAVVLPLANTSYPWSWARVGPVELALAQVKARPDLLPGWTVRTVLGSSENA LGVCSDTAAPLAAVDLKWEHNPAVFLGPGCVYAAAPVGRFTHWRVPLLTAGAPAL GFGVKDEYALTTRAGPSYAKLGDFVAALHRRLGWERQALMLYAYRPGDEEHCFLL VEGLFMRVRDRLNITVDHLEFAEDDLSHYTRLLRTMPRKGRVIYICSSPDAFRTLMLL ALEAGLCGEDYVFFHLDIFGQSLQGGQGPAPRRPWERGQDVSARQAFQAAKIIT YKDPDNPEYLEFLKQLKHLAYEQFNFTMEDGLVNTIPASFHDGLLLYIQAVTETLAHG GTVTDGENITQRMWNRSFQGVGTGYLKIDSSGDRETDFSLWMDMPENGAFRVVLNY NGTSQELVAVSGRKLNWPLGYPPPDIPKCGFDNEDPACNQDHLSTLE

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Purity	Greater than 90% 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	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%.
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

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