

Recombinant Human NPR1

Cat. No. NPR1-28546TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Natriuretic Peptide Receptor A with a proprietary tag; predicted MWt 36.74 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	101 amino acids
Description	Guanylyl cyclases, catalyzing the production of cGMP from GTP, are classified as soluble and membrane forms (Garbers and Lowe, 1994
Molecular Weight	36.740kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 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

Sequences of amino acids	GVKDEYALTTRAGPSYAKLGDFVAALHRRRLGWERQALMLYAYRPGDEEHCFLLVE GLFMRVRDRLNITVDHLEFAEDDLSHYTRLLRTMPRKGRVIYICSS
Sequence Similarities	Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.Contains 1 guanylate cyclase domain.Contains 1 protein kinase domain.
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;
Gene ID	4881
mRNA Refseq	NM_000906
Protein Refseq	NP_000897
MIM	108960
Uniprot ID	P16066
Chromosome Location	1q21-q22
Pathway	Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Vascular smooth muscle contraction, organism-specific biosystem;

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Function

ATP binding; G-protein coupled peptide receptor activity; GTP binding; guanylate cyclase activity; hormone binding;

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