Recombinant Human NPR3

Cat. No. NPR3-27852TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 42-140 of Human Natriuretic Peptide Receptor C with an N terminal proprietary tag; Predicted MWt 36.52 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	This gene encodes one of three natriuretic peptide receptors. Natriutetic peptides are small peptides which regulate blood volume and pressure, pulmonary hypertension, and cardiac function as well as some metabolic and growth processes. The product of this gene encodes a natriuretic peptide receptor responsible for clearing circulating and extracellular natriuretic peptides through endocytosis of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.520kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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

	cycles.
Sequences of amino acids	RQEREALPPQKIEVLVLLPQDDSYLFSLTRVRPAIEYALRSVEGNGTGRRLLPPGTRF QVAYEDSDCGNRALFSLVDRVAAARGAKPDLILGPVCEYAA
Sequence Similarities	Belongs to the ANF receptor family.

GENE INFORMATION

Gene Name	NPR3 natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) [Homo sapiens]
Official Symbol	NPR3
Synonyms	NPR3; natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C); ANPRC, C5orf23, chromosome 5 open reading frame 23 , NPRC; atrial natriuretic peptide receptor 3; FLJ14054; GUCY2B;
Gene ID	4883
mRNA Refseq	NM_000908
Protein Refseq	NP_000899
MIM	108962
Uniprot ID	P17342
Chromosome Location	5p14-p13

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Function	hormone binding; natriuretic peptide receptor activity; receptor activity;

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