

Active Recombinant Human NPR3 Protein (Thr24-Glu481), C-Fc tagged

Cat. No. NPR3-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPRC/NPR3 Protein (Thr24-Glu481, Accession # P17342.2) with a Human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Thr24-Glu481
Description	This gene encodes one of three natriuretic peptide receptors. Natriuretic 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.
Form	Disulfide-linked homodimer
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human NPRC/NPR3 Fc Chimera is immobilized at 2 µg/mL (100 µL/well), the concentration of Recombinant Human Osteocrin that produces 50% of the optimal binding response is 2-20 ng/mL
Molecular Mass	Predicted Molecular Mass: 77 kDa & 75 kDa

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	SDS-PAGE: 78-92 kDa
N-terminal Sequence Analysis	Thr24 & Glu46
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Applications	Bioactivity
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	NPR3 natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) [Homo sapiens (human)]
Official Symbol	NPR3
Synonyms	NPR3; natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide

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receptor C); ANPRC, C5orf23, chromosome 5 open reading frame 23 , NPRC; atrial natriuretic peptide receptor 3; FLJ14054; GUCY2B; atrial natriuretic peptide receptor type C; atrial natriuretic peptide clearance receptor; NRC; ANP-C; ANPRC; NPR-C; ANPR-C; C5orf23; MGC22189;

Gene ID 4883

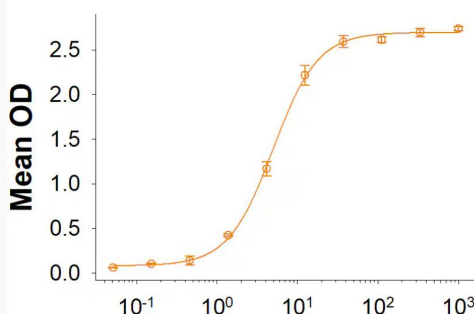
mRNA Refseq NM_000908

Protein Refseq NP_000899

MIM 108962

UniProt ID P17342

Activity

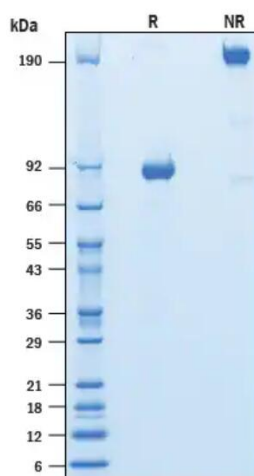


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SDS-PAGE



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