

Recombinant Human NPR3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NPR3-4241H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NPR3 MS Standard C13 and N15-labeled recombinant protein (NP_000899) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	59.6 kDa
AA Sequence	MPSLLVLTFSPCVLLGWALLAGGTGGGGVGGGGGGAGIGGGGRQEREALPPQKIEV LVLLPQDDSYLFSLTRVRPAIEYALRSVEGNGTGRRLLPPGTRFQVAYEDSDCGNRA LFSLVDRVAAARGAKPDLILGPVCEYAAAPVARLASHWDLPMLSAGALAAGFQHKD SEYSHLTRVAPAYAKMGEMMLALFRHHHWSRAALVYSDDKLERNCYFTLEGVHEV FQEEGLHTSIYSFDETKDLDLEDIVRNIQASERVVIMCASSDTIRSIMLVAHRHGMS GDYAFFNIELFNSSSYGDGSWKRGDKHDFAKQAYSSLQTVTLRLTVKPEFEKFSM EVKSSVEKQGLNMEDYVNMFVEGFHDAILLYVLALHEVLRAGYSKKDGGKIIQQTWN

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RTFEGIAGQV SIDANGDRY GDFSVIAMTDVEAGTQEVI G DYFGKEGRFEMRPNVKY
 PWGPLKL R IDENRIVEHTNSSPCKSCGLEESA VTGIVVGALLGAGLLMAFYFFRKKY
 RITIERRTQQEESNLGKHRELREDSIRSHFSVATRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NPR3 natriuretic peptide receptor 3 [Homo sapiens (human)]

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; atrial natriuretic peptide receptor type C; atrial natriuretic peptide clearance receptor; NPRC; ANP-C; ANPRC; NPR-C; ANPR-C; C5orf23; MGC22189;

Gene ID 4883

mRNA Refseq NM_000908

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Protein Refseq NP_000899

MIM 108962

UniProt ID P17342

SDS-PAGE



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