

Product datasheet for **TP319453L**

Natriuretic Peptide Receptor C (NPR3) (NM_000908) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human natriuretic peptide receptor C/guanylate cyclase C (atriuretic peptide receptor C) (NPR3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC219453 representing NM_000908
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MPSELLVLTFSPCVLLGWALLAGGTGGGGVGGGGGAGIGGGGRQEREALPPQKIEVLVLLPQDDSYLFSLT
RVRPAIEYALRSVEGNGTGRRLLPPGTRFQVAYEDSDCGNRALFSLVDRVAAAARGAKPDLILGPVCEYAA
APVARLASHWDLPMLSAGALAAGFQHKDSEYSHLTRVAPAYAKMGEMMLALFRHHHWSRAALVYSDDKLE
RNCYFTLEGVHEVFQEGLHTSIYSFDETKDLDELDIVRNIQASERVVIMCASSDTIRSIMLVAHRHGMT
SGDYAFFNIELFNSSSYGDGSWKRGDKHDFAKQAYSSLQTVTLRTVKPEFEKFSMEVKSSVEKQGLNM
EDYVNMVVEGFHDAILLYVLALHEVLRAGYSKKDGGKIIQQTWNRTFEGIAGQVSIDANGDRYGDVSVIA
MTDVEAGTQEVIGDYFGKEGRFEMRPNVKYPWGPKLKRIDENRIVEHTNSSPCKSCGLEESA VTGIVVGA
LLGAGLLMAFYFFRKKYRITIERRTQEEENLKGHRELREDSIRSHFSVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

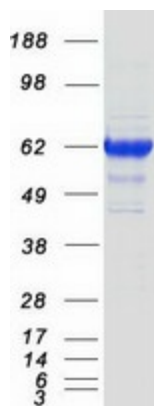
Tag:	C-Myc/DDK
Predicted MW:	59.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000899
Locus ID:	4883
UniProt ID:	P17342 , Q60I31
RefSeq Size:	2651
Cytogenetics:	5p13.3
RefSeq ORF:	1620
Synonyms:	ANP-C; ANPR-C; ANPRC; C5orf23; GUCY2B; NPR-C; NPRC
Summary:	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.[provided by RefSeq, Feb 2011]
Protein Families:	Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified NPR3 protein (Cat# [TP319453]). The protein was produced from HEK293T cells transfected with NPR3 cDNA clone (Cat# [RC219453]) using MegaTran 2.0 (Cat# [TT210002]).