

Recombinant Rat NPR3 Protein (41-477 aa), His-SUMO-tagged

Cat. No. NPR3-692R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat NPR3 Protein (41-477 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Partial.
Species	Rat
Source	E.coli
ProteinLength	41-477 aa
Description	Receptor for the natriuretic peptide hormones, binding with similar affinities atrial natriuretic peptide NPPA/ANP, brain natriuretic peptide NPPB/BNP, and C-type natriuretic peptide NPPC/CNP. May function as a clearance receptor for NPPA, NPPB and NPPC, regulating their local concentrations and effects. May regulate diuresis, blood pressure and skeletal development. Does not have guanylate cyclase activity.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	64.9 kDa
AA Sequence	EALAAQKIEVLVLLPRDDSYLFSLARVRPAIEYALRSVEGNGTGRKLLPPGTRFQVAY EDSDCGNRALFSLVDRVAAAARGAKPDLILGPVCEYAAAPVARLASHWDLPMLSAGA LAAGFQHKDTEYSHLTRVAPAYAKMGEMMLALFRHHHWSRAALLYSDDKLERNCY FTLEGVHEVFQEEGLHTSAYNFDETKDLDDLDDIVRYIQGSERVVIMCASGDTIRRIML

 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

AVHRHGMTSGDYAFFNIELFNSSSYGDGSWKRGDKHDFEAKQAYSSLQTVTLRLTA
KPEFEKFSMEVKSSVEKQGLNEEDYVNMFVEGFHDAILLYVLALHEVLRAGYSKKD
GGKIIQQTWNRTFEGIAGQVSI DANGDRYGD FSVVAMTDTEAGTQEVIGDYFGKEG
RFKMRSNVKYPWGSLKLRIDETRIVEHTNSSPCKSCGLEESA

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [Npr3 natriuretic peptide receptor C/guanylate cyclase C \(atrionatriuretic peptide receptor C\) \[Rattus norvegicus \]](#)

Official Symbol [NPR3](#)

Synonyms NPR3; ANP-C; ANPRC; NPR-C; ANPR-C; NPRC; ANP-CR;

Gene ID [25339](#)

mRNA Refseq [NM_012868](#)

Protein Refseq [NP_037000](#)

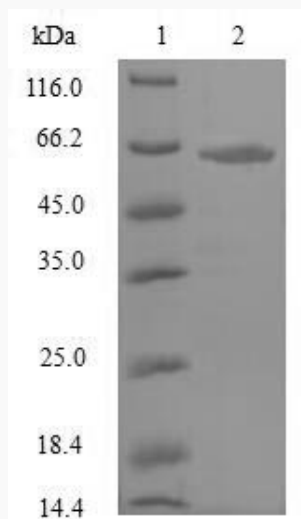
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UniProt ID

P41740



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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