

NPR3 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	ANPRC;ANPR-C;C5orf23;NPR-C;NPRC;NPR3;ANP-C
Protein Construction:	Thr24-Glu481
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P17342
Molecular Weight:	90-100 KDa (reducing condition)
AA Sequence:	Thr24-Glu481

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Atrial Natriuretic Peptide Receptor-3 (NPR3), also known as NPRC or ANPR-C, is one of the three natriuretic peptide receptors, is a type I transmembrane glycoprotein. The natriuretic system is key to the maintenance of vascular tone and cardiovascular homeostasis. 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. Osteocrin was found to be a specific ligand to NPR3. NPR3 is necessary for Osteocrin to regulate femoral, tibial, and metatarsal bone elongation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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