

Mouse NPR1/NPRA Protein

Cat. No. NPR-MM301

Description

Source	Recombinant Mouse NPR1/NPRA Protein is expressed from HEK293 with mFc (IgG1) tag at the C-terminus. It contains Ser29-Glu469.
Accession	NP_032753.5
Molecular Weight	The protein has a predicted MW of 74.92 kDa. Due to glycosylation, the protein migrates to 75-105 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

NPR1 (natriuretic peptide receptor 1), a receptor of ANP (atrial natriuretic peptide) which acting through NPR1, provokes hypotension. NPR1 was abundantly expressed in endothelial cells and smooth muscle cells of small arteries and arterioles. NPR1 plays a crucial role in ANP-mediated blood pressure regulation, presumably by a mechanism that is RGS2-dependent in the acute phase and RGS2-independent in the chronic phase.

Assay Data

Bis-Tris PAGE



Mouse NPR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.