

Active Recombinant Mouse Npr3 Protein, Fc tagged

Cat. No. Npr3-12M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse NPRC/NPR3 (Glu41-Ala478) with Mouse IgG2a (Glu98-Lys330) Fc tag was expressed in Mouse myeloma cell line.
Species	Mouse
Source	NS0
Description	Predicted to enable several functions, including chloride ion binding activity; peptide receptor activity; and protein homodimerization activity. Involved in several processes, including negative regulation of cold-induced thermogenesis; osteoclast proliferation; and response to ischemia. Predicted to be located in plasma membrane. Predicted to be part of protein-containing complex. Is expressed in several structures, including central nervous system; gut; heart and pericardium; lung; and urinary system. Used to study bone disease. Human ortholog(s) of this gene implicated in hypertension. Orthologous to human NPR3 (natriuretic peptide receptor 3).
Form	Disulfide-linked homodimer, Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Mouse NPRC/NPR3 Fc Chimera is immobilized at 2 µg/mL (100 µL/well), the concentration of Recombinant Mouse Osteocrin that produces 50% of the optimal binding response is 0.6-3.6 ng/mL.
Molecular Mass	78 kDa

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Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
N-terminal Sequence Analysis	Glu41

GENE INFORMATION

Gene Name	Npr3 natriuretic peptide receptor 3 [Mus musculus (house mouse)]
Official Symbol	Npr3
Synonyms	Npr3; natriuretic peptide receptor 3; Igj; EF-2; stri; ANP-C; NPR-C; ANPR-C; atrial natriuretic peptide receptor 3; Nppc receptor; atrial natriuretic peptide clearance receptor; atrial natriuretic peptide receptor type C; longjohn; strigosus
Gene ID	18162
mRNA Refseq	NM_008728

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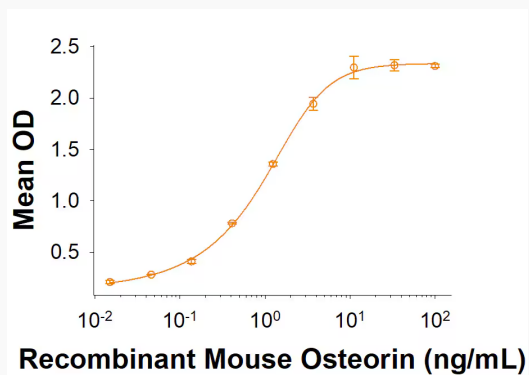
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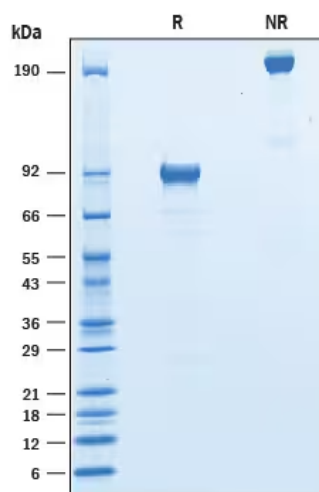
Protein Refseq NP_032754

UniProt ID P70180

Binding Activity



SDS-PAGE



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