

## Recombinant Mouse Npr1 Protein, Myc/DDK-tagged

Cat. No. Npr1-4476M Lot. No. (See product label)

### SPECIFICATION

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|-------------------------|---|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length natriuretic peptide receptor 1 (Npr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.   |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | HEK293  |
| <b>Description</b>      | Receptor for the atrial natriuretic peptide NPPA/ANP and the brain natriuretic peptide NPPB/BNP which are potent vasoactive hormones playing a key role in cardiovascular homeostasis. Has guanylate cyclase activity upon binding of the ligand. |
| <b>Molecular Mass</b>   | 119.6 kDa   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.  |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method  |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.   |

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**GENE INFORMATION**

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|------------------------|--|
| <b>Gene Name</b>       | Npr1 natriuretic peptide receptor 1 [ Mus musculus (house mouse) ]   |
| <b>Official Symbol</b> | Npr1   |
| <b>Synonyms</b>        | NPR1; natriuretic peptide receptor 1; atrial natriuretic peptide receptor 1; ANP-A; ANPR-A; Nppa receptor; guanylyl cyclase-A; guanylate cyclase A; atrial natriuretic peptide receptor type A; GC-A; NPRA; Pndr; NPR-A; AI893888; MGC117511 |
| <b>Gene ID</b>         | 18160  |
| <b>mRNA Refseq</b>     | NM_008727  |
| <b>Protein Refseq</b>  | NP_032753  |
| <b>UniProt ID</b>      | P18293   |

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