

# Active Recombinant Human NPR1 protein, mFc-tagged, Low Endotoxin

**Cat. No.** NPR1-0539H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NPR1 protein(NP_000897.3)(Gly33-Glu473), fused with C-terminal mFc tag, was expressed in HEK293.                                                       |
| <b>Species</b>          | Human                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                   |
| <b>ProteinLength</b>    | 33-473 aa                                                                                                                                                                |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                          |
| <b>Bio-activity</b>     | Immobilized Human NPR1, mFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-NPR1 Antibody, hFc Tag with the EC50 of 43.2ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 74.56 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Bis-Tris PAGE result.                                     |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                              |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC                                                                                                        |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** NPR1 natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A) [ Homo sapiens ]

**Official Symbol** NPR1

**Synonyms** NPR1; natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A); ANPRA, NPRA; atrial natriuretic peptide receptor 1; ANPa; GUCY2A; GC-A; ANP-A; NPR-A; ANPR-A; guanylate cyclase A; natriuretic peptide receptor A; atrionatriuretic peptide receptor A; natriuretic peptide A type receptor; atrial natriuretic peptide receptor type A; NPRA; ANPRA; GUC2A;

**Gene ID** 4881

**mRNA Refseq** NM\_000906

**Protein Refseq** NP\_000897

**MIM** 108960

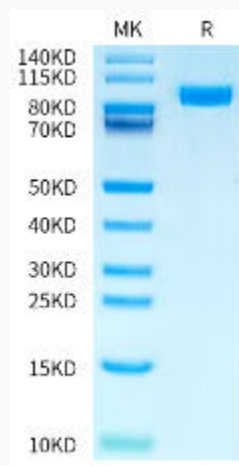
**UniProt ID** P16066

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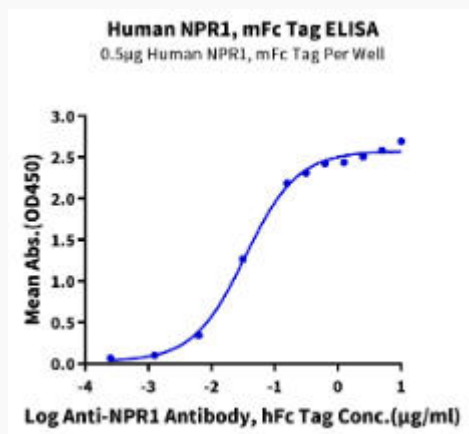
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## Bis-Tris PAGE



## ELISA Data



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