

Datasheet for ABIN7583289

**NPR1 Protein (AA 29-469) (His tag)**[Go to Product page](#)

## Overview

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Quantity:                     | 100 µg                                      |
| Target:                       | NPR1                                        |
| Protein Characteristics:      | AA 29-469                                   |
| Origin:                       | Mouse                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This NPR1 protein is labelled with His tag. |

## Product Details

|                  |                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Mouse NPR1/NPRA Protein                                                                                                |
| Sequence:        | Ser29-Glu469                                                                                                           |
| Characteristics: | Recombinant Mouse NPR1/NPRA Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ser29-Glu469. |
| Purity:          | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC                                                    |
| Sterility:       | 0.22 µm filtered                                                                                                       |
| Endotoxin Level: | Less than 1EU per µg by the LAL method.                                                                                |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | NPR1                                   |
| Alternative Name: | NPR1 ( <a href="#">NPR1 Products</a> ) |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Molecular Weight: | 50.86 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.                                                                                                                                                                                                                                                                                                                                       |
| NCBI Accession:   | <a href="#">NP_032753</a>                                                                                                                                                                                                                                                                                                                                                                                                               |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                                                                                            |
| Buffer:          | Supplied as 0.22 µm filtered solution in PBS ( pH 7.4).                                                                                                                           |
| Storage:         | -80 °C                                                                                                                                                                            |
| Storage Comment: | 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. |
| Expiry Date:     | 12 months                                                                                                                                                                         |