

# Recombinant Rat Havcr1 Protein, His-tagged

**Cat. No.** Havcr1-1617R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Havcr1 Protein (Pro16-Asn231) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Pro16-Asn231                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Predicted to enable phosphatidylserine binding activity and virus receptor activity. Involved in several processes, including phagocytosis, engulfment; response to mycotoxin; and response to testosterone. Located in several cellular components, including apical plasma membrane; cell surface; and phagocytic vesicle. Biomarker of colitis; hypertension; kidney failure (multiple); and proteinuria (multiple). Human ortholog(s) of this gene implicated in atopic dermatitis. Orthologous to human HAVCR1 (hepatitis A virus cellular receptor 1). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 27.6 kDa<br>Accurate Molecular Mass: 36 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                            |

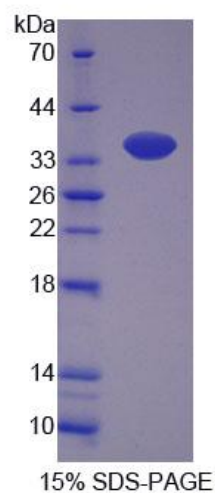
## GENE INFORMATION

|                        |                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Havcr1 hepatitis A virus cellular receptor 1 [ Rattus norvegicus (Norway rat) ]                                                                                                                                   |
| <b>Official Symbol</b> | Havcr1                                                                                                                                                                                                            |
| <b>Synonyms</b>        | Havcr1; hepatitis A virus cellular receptor 1; Kim1; KIM-1; hepatitis A virus cellular receptor 1 homolog; HAVcr-1; TIMD-1; kidney injury molecule 1; t cell immunoglobulin and mucin domain-containing protein 1 |
| <b>Gene ID</b>         | 286934                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_173149                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_775172                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | O54947                                                                                                                                                                                                            |

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