

## Recombinant Mouse CD53 protein, His-tagged

**Cat. No.** CD53-2242M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse CD53 protein(Q61451)(Glu107-Asn181), fused with His tag, was expressed in HEK293.                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Glu107-Asn181                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                    |
| <b>Molecular Mass</b>   | The recombinant mouse CD53 consists of 95 amino acids and predicts a molecular mass of 10.6 KDa. It migrates as an approximately 22 KDa band in SDS-PAGE under reducing conditions due to glycosylation.                                          |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                    |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                          |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

|                 |                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------|
| Gene Name       | Cd53 CD53 antigen [ <i>Mus musculus</i> ]                                                                     |
| Official Symbol | CD53                                                                                                          |
| Synonyms        | CD53; CD53 antigen; leukocyte surface antigen CD53; cell surface glycoprotein CD53; Ox-44; Tspan25; AI323659; |
| Gene ID         | 12508                                                                                                         |
| mRNA Refseq     | NM_007651                                                                                                     |
| Protein Refseq  | NP_031677                                                                                                     |

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