

## Recombinant Mouse Cd320 Protein, Fc-tagged

**Cat. No.** Cd320-979M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant mouse CD320 (NP_062294.3) (Met1-Gly208) was expressed with the Fc region of human IgG1 at the C-terminus.                                                                                             |
| <b>Species</b>              | Mouse                                                                                                                                                                                                             |
| <b>Source</b>               | HEK293                                                                                                                                                                                                            |
| <b>ProteinLength</b>        | 1-208 a.a.                                                                                                                                                                                                        |
| <b>Predicted N Terminal</b> | Ala 29                                                                                                                                                                                                            |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.                                                                                                                                               |
| <b>Molecular Mass</b>       | The recombinant mouse CD320 comprises 421 amino acids and has a predicted molecular mass of 46.5 kDa. The apparent molecular mass of the protein is approximately 72.5 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                   |
| <b>Purity</b>               | >95 % as determined by SDS-PAGE.                                                                                                                                                                                  |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                         |
| <b>Storage</b>              | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                         |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** Cd320 CD320 antigen [ *Mus musculus* ]

**Official Symbol** Cd320

**Synonyms** 8D6; NG29; VLDL; TCbIR; 425O18-1; D17Ert716e; putative VLDL lipoprotein receptor; transcobalamin receptor

**Gene ID** 54219

**mRNA Refseq** NM\_001305169

**Protein Refseq** NP\_001292098

**MIM**

**UniProt ID** Q9Z1P5

**Chromosome Location** 17 B1; 17 17.98 cM

**Pathway** Cobalamin (Cbl, vitamin B12) transport and metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem

**Function** cobalamin binding; growth factor activity

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