

## Recombinant Rat Tnfsf8 protein(Gln66-Asp237)

**Cat. No.** Tnfsf8-2374R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat TNFSF8 (NP_001305962.1)(Gln66-Asp237) was expressed in HEK293 with two additional amino acids (Gly & Pro) at the N-terminus.                                                                                                  |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Gln66-Asp237                                                                                                                                                                                                                                  |
| <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>Bio-activity</b>     | Immobilized rat TNFSF8 at 10 µg/ml (100 µl/well) can bind biotinylated human CD30-Fch, The EC50 of biotinylated human CD30-Fch is 8.7-20.3 ng/ml.                                                                                             |
| <b>Molecular Mass</b>   | The recombinant rat TNFSF8 comprises 174 amino acids and predicts a molecular mass of 19.6 kDa. The apparent molecular mass of the recombinant protein is approximately 31-35 kDa 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>           | > 95 % 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.                                                                                                                                                            |

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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.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                 |                                                                                    |
|-----------------|------------------------------------------------------------------------------------|
| Gene Name       | Tnfsf8 tumor necrosis factor (ligand) superfamily, member 8 [ Rattus norvegicus ]  |
| Official Symbol | Tnfsf8                                                                             |
| Synonyms        | TNFSF8; tumor necrosis factor (ligand) superfamily, member 8; CD30 antigen ligand; |
| Gene ID         | 683163                                                                             |

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