

Active Recombinant Human TNFRSF1B protein(Met1-Asp257), His&hFc-tagged

Cat. No. TNFRSF1B-178H **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human TNFRII (NP_001057.1)(Met1-Asp257) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | Met1-Asp257 |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Bio-activity | Measured by its ability to inhibit TNF- α mediated cytotoxicity in L-929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 1-5 ng/ml in the presence of 0.25 ng/mL recombinant human TNF- α . |
| Molecular Mass | The recombinant human TNFRII/Fc is a disulfide-linked homodimer. The reduced monomer consists of 482 amino acids and has a predicted molecular mass of 53 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh TNFRII/Fc monomer is approximately 65.6 kDa due to glycosylation. |
| Endotoxin | < 1.0 EU per |

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| | |
|-----------------------|---|
| | µg of the protein as determined by the LAL method |
| Purity | > 95 % as determined by SDS-PAGE |
| Storage | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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

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|------------------------|--|
| Gene Name | TNFRSF1B tumor necrosis factor receptor superfamily, member 1B [Homo sapiens] |
| Official Symbol | TNFRSF1B |
| Synonyms | TNFRSF1B; tumor necrosis factor receptor superfamily, member 1B; TNFR2; tumor necrosis factor receptor superfamily member 1B; CD120b; p75; TNF R II; TNF R75; TNFBR; TNFR80; TNF-R2; TNF-RII; p75 TNF receptor; p80 TNF-alpha receptor; soluble TNFR1B variant 1; tumor necrosis factor receptor 2; tumor necrosis factor beta receptor; tumor necrosis factor receptor type II; tumor necrosis factor binding protein 2; TBPII; TNFR1B; TNF-R75; p75TNFR; TNF-R-II; |
| Gene ID | 7133 |
| mRNA Refseq | NM_001066 |
| Protein Refseq | NP_001057 |
| MIM | 191191 |

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UniProt ID

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