HUMAN TNFRSF1B PROTEIN, HFC TAG

Cat.#: 11202

Product Name: Human TNFRSF1B Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CD120b;p75;p75TNFR;TBPII;TNF-R-II;TNF-R75;TNFBR;TNFR1B;TNFR2;TNFR80

Target: TNFRSF1B

UNIPROT ID: P20333

Description: Recombinant Human TNFRSF1B Protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 51.3 kDa after removal of the signal peptide. The apparent molecular mass of TNFRSF1B-hFc is approximately 55-70kDa due to glycosylation.

Molecular Characterization: TNFRSF1B(Leu23-Asp257) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

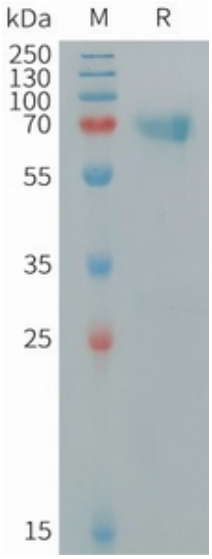

Figure 1. Human TNFRSF1B Protein, hFc Tag on SDS-PAGE under reducing condition.