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# TNFRSF1A
# Recombinant Human TNFRSF1A / CD120a (His & Fc Tag)

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|---|---|---|---|
| **Catalog No.** | CRH573A-HisFc | **Quantity:** | 50 µg |
| | CRH573B-HisFc | | 100 µg |

**Alternate Names:** Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor 1, TNF-R1, Tumor necrosis factor receptor type I, TNF-RI, TNFR-I, p55, p60, CD120a, Tumor necrosis factor receptor superfamily member 1A, membrane form, Tumor necrosis factor-binding protein 1, TBPI

**Description:** CD120a also known as TNFR1 / TNFRSF1A, tumor necrosis factor receptor superfamily. CD120a is one of the most primary receptors for the tumor necrosis factor-alpha. It has been shown to be localized to both plasma membrane lipid rafts and the trans golgi complex with the help of the death domain (DD). CD120a can activate the transcription factor NF-κB, mediate apoptosis, and regulate inflammation processes.

**UniProt ID:** P19438

**Accession Number:** NP_001056.1

**Protein Construction:** A DNA sequence encoding the human TNFRI extracellular domain (Met 1-Thr 211) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

**Source:** HEK293 Cells

**Formulation:** Lyophilized from sterile PBS, pH 7.4
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Molecular Weight:** The rhTNFRI/Fc is a disulfide-linked homodimer. The reduced monomer (438 aa) has a predicted MW of 49.3 kDa, but as a result of glycosylation, migrates at ~60-65 kDa in SDS-PAGE under reducing conditions.

**Purity:** > 90 % as determined by SDS-PAGE.

**Endotoxin Level:** < 1.0 EU per µg protein as determined by the LAL method.

**Biological 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 2-12ng/mL in the presence of 1 ng/mL recombinant human TNF-α.

**Predicted N-terminal:** Ile 22

**Reconstitution:** **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
**DO NOT VORTEX**. Allow several minutes for complete reconstitution.

**Storage & Stability:** Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
**Avoid repeated freeze-thaw cycles.**

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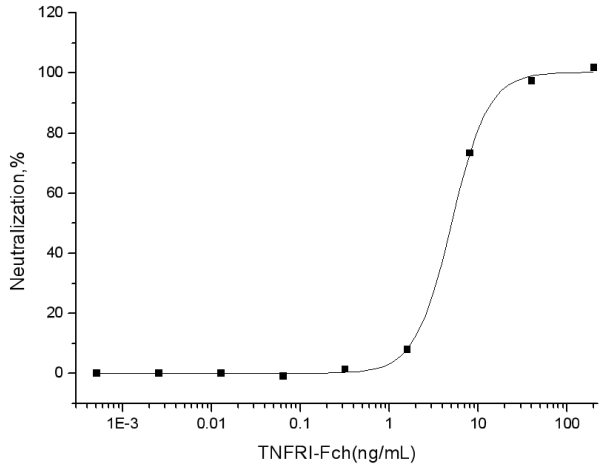
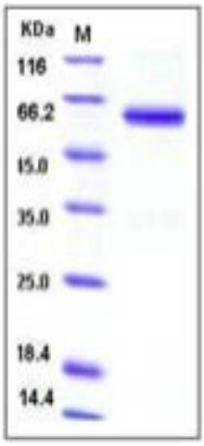



SDS-PAGE

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