

Human CellExp™ TNFR1 / CD120a / TNFRSF1A, human recombinant

CATALOG #: 7382-10 10 µg
7382-50 50 µg

ALTERNATE NAMES: TNFR1, CD120a, TNFRSF1A, FPF, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR55, TNFR60, p55, p60.

SOURCE: HEK 293 cells (Ile 22 –Thr 211)

PURITY: ≥ 92% by SDS-PAGE gel

MOL. WEIGHT: This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 22 kDa. The predicted N-terminus is Ile 22. DTT-reduced Protein migrates as 30-35 kDa due to different glycosylation.

ENDOTOXIN LEVEL: <1 EU/µg by LAL method

FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

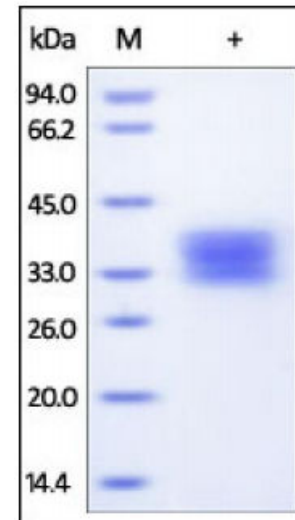
STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

DESCRIPTION: Tumor necrosis factor receptor 1 (TNF-R1) also known as Tumor necrosis factor receptor superfamily member 1A (TNFRSF1A), TNFAR, CD antigen CD120a, belongs to the tumor necrosis factor receptor superfamily. TNF-R1 contains one death domain and four TNFR-Cys repeats. TNF-R1 is the receptor of TNFSF2 / TNF-alpha and homotrimeric TNFSF1 / lymphotoxin - alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. TNF-R1 contributes to the induction of apoptosis, cytotoxic TNF effects including antiviral state and

activation of the acid sphingomyelinase. Defects in TNFRSF1A are the cause of familial Hibernian fever (FHF).

BIOLOGICAL ACTIVITY: Measured by its binding ability in a functional ELISA. Immobilized human TNFα at 10 µg/mL (100 µl/well) can bind biotinylated human TNFRSF1A. The EC₅₀ of biotinylated human TNFRSF1A is 0.02 µg/mL.



Human recombinant TNFR1 / CD120a / TNFRSF1A

RELATED PRODUCTS:

- sTNF-RI, human recombinant (Cat. No. 4348-20, -100, -1000)
- TNF-RII, human recombinant (Cat. No. 4448-20, -1000)
- Human CellExp™ CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp™ CD71, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp™ CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp™ CD244, human recombinant (Cat. No. 7374-10, -50)

FOR RESEARCH USE ONLY! Not to be used in humans.