

TNFR1/CD120a/TNFRSF1A Protein, Human, Recombinant (His) V2

General Information

Synonyms:	p60;TNFAR;TNFR55;TNF-R;MS5;TBP1;CD120a;TNF-R55;TNFR1;TNFR1-d2;TNFR60;p55;tumor necrosis factor receptor superfamily member 1A;FPF;TNF-R-I;p55-R
Protein Construction:	Leu30-Thr211
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P19438-1
Molecular Weight:	23.3 kDa (Predicted); 38-48 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human TNFR1, His Tag at 0.5 µg/ml (100 µl/Well). Dose response curve for Biotinylated Human TNF alpha, His Tag with the EC50 of 16.5 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tumour necrosis factor alpha (TNF-α) is a pleiotropic cytokine with both injurious and protective functions, which are thought to diverge at the level of its two cell surface receptors, TNFR1 and TNFR2. In the setting of acute injury, selective inhibition of TNFR1 is predicted to attenuate the cell death and inflammation associated with TNF-α, while sparing or potentiating the protective effects of TNFR2 signalling.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481