



Recombinant Human TNFR1B Fc-Fusion Protein (Etanercept)

Cat No: Pr00135

Product Summary

Description: Recombinant human TNFR1B Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Human TNFR1B

Fc domain: Human IgG1

Structure / Form: Disulfide-linked homodimer

Species: Human

Construct Design Note(s): The extracellular domain of TNFR1B has been fused to the Fc domain of human IgG1.

Host: HEK293

UniProt Accession Number: P20333

Alternative Description: Tumor necrosis factor receptor superfamily member 1B, Tumor necrosis factor receptor 2, TNF-R2, Tumor necrosis factor receptor type II, TNF-RII, TNFR-II, p75, p80 TNF-alpha receptor, CD120b, Cleaved into the following 2 chains: Tumor necrosis factor receptor superfamily member 1b, membrane form, Tumor necrosis factor-binding protein 2, TBP-2, TBPII; TNFR1B-Ig; TNFR1B-Fc chimera; TNFR1B (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity [Uniprot].

Product Form

Purification: Purified by affinity chromatography using Protein A.

Supplied in: PBS

Shipping: The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

Storage recommendation: Recommended storage at 4°C for up to 1 month. For longer term storage store at -20°C or -80°C in appropriately sized aliquots.

Fc-Fusion Sequence (monomer)

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

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LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDSTYTQLWNWVPECLSCGS
RCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRKCRPGFGVARPGTETSDVVCKPCAPGTFSNTTS
STDICRPHQICNVVAIPGNASMDAVCTSTSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLPMGPPAE
GSTGDEPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSL
TCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVDFSCSVMHEALHNHYTQKSLS
LSPGK

Calculated Molecular weight (dimer): 155901.46 Da

Extinction coefficient: 191190 (calculation performed as described by Pace et al. (1995), PMID: 8563639).

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