

Recombinant Human TNFRSF1A, Fc-tagged

Cat. No. TNFRSF1A-30481TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 22-211 of Human TNFRSF1A fused to the Fc portion of Human IgG1; MWt 60 kDa .
Species	Human
Source	HEK293
ProteinLength	190 amino acids
Description	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease.
Conjugation	Fc
Molecular Weight	60.000kDa inclusive of tags
Biological activity	TNFRSF1A-30481TH blocks TNF-alpha-mediated biological effect with an inhibitory activity in a concentration range of 0.1 to 1µg/ml. Binds Human and Mouse TNF-

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	alpha.
Form	Lyophilised:Reconstitute with 50µl sterile water to give a final concentration of 1mg/ml.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: PBS
Storage	Store at -20°C, Stable for 6 months at -20°C
Sequence Similarities	Contains 1 death domain.Contains 4 TNFR-Cys repeats.

GENE INFORMATION

Gene Name	TNFRSF1A tumor necrosis factor receptor superfamily, member 1A [Homo sapiens]
Official Symbol	TNFRSF1A
Synonyms	TNFRSF1A; tumor necrosis factor receptor superfamily, member 1A; TNFR1; tumor necrosis factor receptor superfamily member 1A; CD120a; TNF R; TNF R I; TNF R55; TNFAR; TNFR60;
Gene ID	7132
mRNA Refseq	NM_001065
Protein Refseq	NP_001056
MIM	191190

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Uniprot ID	P19438
Chromosome Location	12p13.2
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem;
Function	protease binding; protein binding; receptor activity; tumor necrosis factor binding; tumor necrosis factor-activated receptor activity;

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