

Product datasheet

Recombinant human TNF Receptor I protein ab157278

1 Image

Overview

Product name	Recombinant human TNF Receptor I protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	HEK 293 cells
Amino Acid Sequence	
Accession	P19438
Species	Human
Sequence	MGLSTVPDLL LPLVLELLV GYP SGVIGL VPHLGDREKR DSVC PQGKYI HPQNNSICCT KCHKGTLYN DCPGPGQDTD CRECESGSFT ASENHLRHCL SCSKCRKEMG QVEISSCTVD RDTVCGCRKN QYRHYWSENLFQCFNCSLCL NGTVHLSCQE KQNTVCTCHA GFFLRENECV SCSNCKKSLE CTKLCLPQIE NVKGTEDSGT T
Molecular weight	60 kDa
Amino acids	1 to 211

Specifications

Our [Abpromise guarantee](#) covers the use of **ab157278** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	Biological Activity: Binds to TNF Receptor I and triggers various biological effects (including cell death). ab157278 blocks TNF-alpha-mediated lysis with a inhibitory activity in a concentration range of 10-50ng/ml.
Applications	Functional Studies SDS-PAGE
Endotoxin level	< 0.100 Eu/µg
Purity	>95% by SDS-PAGE .

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C.
Constituent: 99% PBS
This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution Reconstitute with 50µl sterile water to a concentration of 1 mg/ml. Further dilutions should be made with medium containing 5% fetal calf serum or carrier protein. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

General Info

Function Receptor for 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. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase.

Involvement in disease Familial hibernian fever
Multiple sclerosis 5

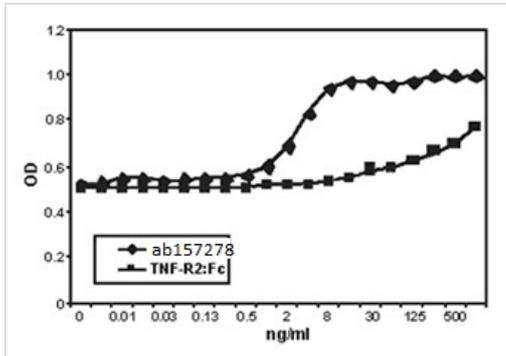
Sequence similarities Contains 1 death domain.
Contains 4 TNFR-Cys repeats.

Domain The domain that induces A-SMASE is probably identical to the death domain. The N-SMASE activation domain (NSD) is both necessary and sufficient for activation of N-SMASE. Both the cytoplasmic membrane-proximal region and the C-terminal region containing the death domain are involved in the interaction with TRPC4AP.

Post-translational modifications The soluble form is produced from the membrane form by proteolytic processing.

Cellular localization Cell membrane. Golgi apparatus membrane. Secreted. A secreted form is produced through proteolytic processing and Secreted. Lacks a Golgi-retention motif, is not membrane bound and therefore is secreted.

Images



Inhibition of TNF-mediated lysis of WEHI 164 target cells (rhTNF-
a). ab157278 exerts its inhibitory activity in a concentration range of
10-50ng/ml.

Functional Studies - Recombinant human TNF
Receptor I protein (ab157278)

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