

Datasheet for ABIN2018405
TNFRSF1A Protein (AA 50-201)



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Overview

Quantity:	50 µg
Target:	TNFRSF1A
Protein Characteristics:	AA 50-201
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 50 ng/mL, measured in a cell proliferation assay using 929 cells in the presence of 1 ng/mL human TNF-α.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	TNFRSF1A
Alternative Name:	TNF Receptor Type I (TNFRSF1A Products)
Background:	TNF Receptor Type I, is also known as TNF R-p55/p60 and TNFRSF1A. It is a type I transmembrane protein member of the TNF receptor superfamily. It is expressed in most cell types. Binding of either TNF-α or TNF-β to TNF-R1 initiates a signal transduction pathway that results in the activation of the transcription factor NF-κB, whose target genes

Target Details

are involved in the regulation of inflammatory responses, and, in certain cells, induce apoptosis. TNF-R1 is essential for proper development of lymph node germinal centers and Peyer's patches and for combating intracellular pathogens such as *Listeria*. It is stored in the Golgi and translocates to the cell surface following proinflammatory stimuli.

Synonyms: Soluble Tumor Necrosis Factor type I, TNFRSF1A, TNFAR, TNF-R55, TNFR60, p55, CD120a

Molecular Weight: 28-35 kDa, observed by reducing SDS-PAGE.

UniProt: [P19438](#)

Pathways: [NF-kappaB Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Hepatitis C](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Human TNF Receptor Type I remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human TNF Receptor Type I should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months