

Overview

Synonyms	Soluble Tumor Necrosis Factor type I, TNFRSF1A, TNFAR, TNF-R55, TNFR60, p55, CD120a
Description	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- κ B, whose target genes 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.
Accession No	P19438.1
Species	Human
Source	CHO
Biological Activity	ED ₅₀ < 50 ng/ml, measured in a cell proliferation assay using 929 cells in the presence of 1 ng/ml human TNF- α .
Sequence	DSVCPQGKYYI HPQNSICCT KCHKGTLYLN DCPGPGQDTD CRECESGSFT ASENHLRHCL SCSKCRKEMG QVEISSCTVD RDTVCGCRKN QYRHYWSENLFQCFNCSLCL NGTVHLSCQE KQNTVCTCHA GFFLRENECV SCSNCKKSLE CTKLCLPQIE N

Properties

Measured Molecular Weight	28~35 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Endotoxin Level	< 0.2 EU/ μ g, determined by LAL method.
Storage	Lyophilized recombinant Human TNF Receptor Type I remains stable up to 6 months at lower than -70°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.
Note	For research use only

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