

DATASHEET
Version 20181206**TNF R I, Human****Cat. No.:** Z03104-10**Size:** 10.0 ug**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.

Amino Acid Sequence:

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00001 DSVCPQGKYI HPQNSICCT KCHKGTLYN DCPGPGQDTD
00041 CRECESGSFT ASENHLRHCL SCSKCRKEMG QVEISSCTVD
00081 RDTVCGCRKN QYRHYWSENL FQCFNCSLCL NGTVHLSCQE
00121 KQNTVCTCHA GFFLRENECV SCSNCKKSLE CTKLCLPQIE
00161 N
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Source: CHO**Species:** Human**Biological Activity:** ED₅₀ < 50 ng/ml, measured in a cell proliferation assay using 929 cells in the presence of 1 ng/ml human TNF- α .**Molecular Weight:** 28 35 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH₂O or PBS at 100 μ g/ml.**Purity:** > 95% as analyzed by SDS-PAGE.**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.