Tumor Necrosis Factor Alpha (Tnfa) (Human) Peptide – (31-45) Synthetic Peptide, ~95%. Purified by HPLC. Purity

PRODUCT OVERVIEW

Product Name	Tumor Necrosis Factor alpha (tnfa), Peptide
Full Product Name	Tumor Necrosis Factor alpha (TNFa) (31-45) (human)
Product Gene Name	tnfa peptide
Host	Synthetic peptide
Species Reactivity	Human
Form/Format	Supplied as a lyophilized powder.
Purity/Purification	Highly Purified ~95%. Purified by HPLC.
Preparation and Storage	Lyophilized powder may be stored at 4 degree C for short-term only. Stable for 12 months at -20 degree C. Reconstitute to nominal volume (see reconstitution instructions for peptides) and store at -20 degree C. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.
Chromosome Location	chromosome: Un
Sequence (linear)	Arg-Arg-Ala-Asn-Ala-Leu-Leu-Ala-Asn-Gly-Val-Glu-Leu-Arg-Asp
Product Categories/Family for tnfa peptide	Molecular Biology; MB-Peptides
Related Product Information for tnfa peptide	Tumor Necrosis Factor alpha (TNF-alpha) is a 17.3kD multi-functional pro-inflammatory cytokine primarily secreted by macrophages, but also produced by T and B lymphocytes, activated monocytes and fibroblasts. TNF-alpha exists in both a transmembrane and mature soluble form and has many biological properties, including activation of transcription factor NF-KappaB, the induction of apoptosis in various tumor cell lines and the stimulation of cell differentiation and proliferation under certain conditions. Studies have revealed a role for TNF-alpha in inflammation, septic shock, autoimmune disease and rheumatoid arthritis.
Other Notes	Small volumes of tnfa peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for tnfa purchase	MBS633663 is a peptide targeting tnfa. Also known as Tumor Necrosis Factor alpha (TNFa) (31-45) (human). Reactive in Human. Host: Synthetic peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for tnfa. It may not necessarily be applicable to this product.

NCBI GI #	189409065
NCBI GeneID	100169660
NCBI Accession #	NP_001121579.1
GenBank Nucleotide #	NM_001128107.1
NCBI Official Full Name	tumor necrosis factor alpha
NCBI Official Symbol	tnfa
Protein Family	Tumor necrosis factor alpha-induced protein

NCBI Protein Information	tumor necrosis factor alpha
Research Articles on tnfa	**1.** the ascidian TNFalpha-like cytokine was upregulated by in vivo LPS challenge supporting its pro-inflammatory role.
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