Active GMP Recombinant Porcine TNF-α Protein, His-Tagged

Cat. No. TNF-α-01P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine TNF-α Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Porcine
Source	E.coli
Description	TNF-α is a kind of pleiotropic pro-inflammatory cytokine. It is secreted by various cells, such as adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. Proteolysis of the integral membrane precursor form of TNF-α from cells soluble can release homotrimeric TNF-α. TNF-α can bind with some TNF-α receptors induces apoptosis, besides, also trigger other responses depending on cell type, receptor expression, and signal transduction status. TNF-α participate in the inflammatory response.
Form	Lyophilized
Bio-activity	Measure by its ability to induce cytotoxicity in PK15 cells in the presence of the actinomycin D. The ED50 for this effect is <15 pg/mL.
AA Sequence	MLRSSSQTSDKPVAHVVANVKAEGQLQWQSGYANALLANGVKLKDNQLVVPTDGL YLIYSQVLFRGQGCPSTNVFLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKP WYEPIYLGGVFQLEKDDRLSAEINLPDYLDFAESGQVYFGIIAL with polyhistidine tag at the C-terminus

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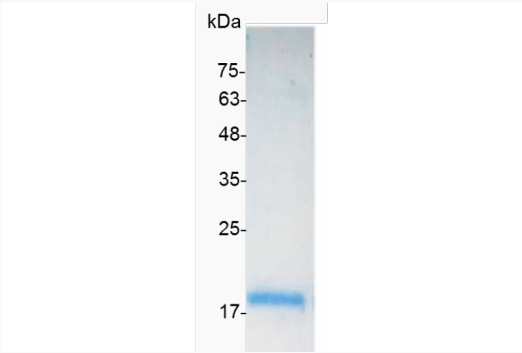
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
	

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