Recombinant Zebrafish tnfa Protein, His-tagged

Cat. No. tnfa-439Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish tnfa Protein (Ala88-Leu234) with N-His tag was expressed in E. coli.
Species	Zebrafish
Source	E.coli
ProteinLength	Ala88-Leu234
Description	Predicted to enable receptor ligand activity. Involved in positive regulation of hematopoietic stem cell differentiation. Acts upstream of or within several processes, including fin regeneration; intestinal epithelial structure maintenance; and response to bacterium. Is active in extracellular space. Is expressed in several structures, including central nervous system; digestive system; eye; male organism; and pleuroperitoneal region. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); autoimmune disease (multiple); eye disease (multiple); lung disease (multiple); and skin disease (multiple). Orthologous to several human genes including LTA (lymphotoxin alpha).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.1 kDa Accurate Molecular Mass: 20 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	tnfa tumor necrosis factor a (TNF superfamily, member 2) [Danio rerio (zebrafish)]
Official Symbol	tnfa
Synonyms	tnfa tumor necrosis factor a (TNF superfamily, member 2); tumor necrosis factor a (TNF superfamily, member 2); TNF-alpha 1; TNF1; tumor necrosis factor, alpha
Gene ID	405785
mRNA Refseq	NM_212859
Protein Refseq	NP_998024
UniProt ID	Q08CQ3

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