

Recombinant Human Tumor Necrosis Factor, Alpha-Induced Protein 6, His-tagged

Cat. No. TNFAIP6-3004H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFAIP6 protein was expressed in E.coli with His-tag at the C-terminus. The molecular weight is 31203 Da(277 aa).
Species	Human
Source	E.coli
Description	Tumor necrosis factor, alpha-induced protein 6 also known as TNF-stimulated gene 6 protein or TSG-6 is a protein that in humans is encoded by the TNFAIP6 (tumor necrosis factor, alpha-induced protein 6) gene. TNFAIP6 is a 30 kDa secreted protein that contains a hyaluronan-binding LINK domain a and thus is a member of the hyaluronan-binding protein family, also called hyaladherins. The hyaluronan-binding domain is known to be involved in extracellular matrix stability and cell migration. This protein has been shown to form a stable, covalent complex with inter-alpha-inhibitor (IαI), and thus enhance the serine protease inhibitory activity of IαI, which is important in the protease network associated with inflammation. The expression of this gene can be induced by a number of signalling molecules, principally tumor necrosis factor α (TNF-α) and interleukin-1 (IL-1). The expression can also be induced by mechanical stimuli in vascular smooth muscle cells, and is found to be correlated with proteoglycan synthesis and aggregation.
Sequences of amino acids	21-277 aa

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Formulation 10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN₃. 10mM DTT.

Purity 95%

GENE INFORMATION

Gene Name TNFAIP6 tumor necrosis factor, alpha-induced protein 6 [Homo sapiens]

Synonyms TSG6; TSG-6; tumor necrosis factor-inducible gene 6 protein; TNF alpha-induced protein 6; hyaluronate-binding protein; TNF-stimulated gene 6 protein; tumor necrosis factor-inducible protein 6; tumor necrosis factor alpha-inducible protein 6; tumor necrosis factor-stimulated gene-6 protein

Gene ID 7130

mRNA Refseq NM_007115

Protein Refseq NP_009046

MIM 600410

UniProt ID P98066

Chromosome Location 2q23.3

Function Binding; hyaluronic acid binding

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The LINK domain of
TSG-6.

