

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 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 (I α I), and thus enhance the serine protease inhibitory activity of I α I, 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.



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