

Recombinant Human MTUS1 protein, His & T7-tagged

Cat. No. MTUS1-7965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTUS1 aa. (Leu1018~Arg1270 (Accession # Q9ULD2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu1018~Arg1270
Description	This gene encodes a protein which contains a C-terminal domain able to interact with the angiotension II (AT2) receptor and a large coiled-coil region allowing dimerization. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the transcript variants has been shown to encode a mitochondrial protein that acts as a tumor suppressor and participates in AT2 signaling pathways. Other variants may encode nuclear or transmembrane proteins but it has not been determined whether they also participate in AT2 signaling pathways.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.1kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	MTUS1 microtubule associated scaffold protein 1 [Homo sapiens (human)]
Official Symbol	MTUS1
Synonyms	MTUS1; microtubule associated scaffold protein 1; ATBP; ATIP; ICIS; MP44; ATIP3; MTSG1; microtubule-associated tumor suppressor 1; AT2 receptor-binding protein; AT2 receptor-interacting protein; AT2R binding protein; angiotensin-II type 2 receptor-interacting protein; erythroid differentiation-related; microtubule associated tumor suppressor 1; mitochondrial tumor suppressor gene 1; transcription factor MTSG1

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Gene ID	57509
mRNA Refseq	NM_001001924.2
Protein Refseq	NP_001001924.1
UniProt ID	Q9ULD2

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