

Datasheet for ABIN7554636
MTUS1 Protein (AA 1-1270) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MTUS1
Protein Characteristics:	AA 1-1270
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTUS1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MTUS1 Protein expressed in mammalian cells.
Sequence:	MTDDNSDDKI EDELQTFETS DKDGNTHAYN PKSPPTQNSS ASSVNWNSAN PDDMVVDYET DPAVVTGENI SLSLQGVEVF GHEKSSSDFI SKQVLDMHKD SICQCPALVG TEKPKYLQHS CHSLEAVEGQ SVEPSLPFVW KPNDNLNCAG YCDALELNQT FDMTVDKVNC TFISHHAIGK SQSFHTAGSL PPTGRRSGST SLSYSTWTS SHSDKTHARE TTYDRESFEN PQVTPSEAQD MTYTAFSDVW MQSEVFVSDI GNQCACSSGK VTSEYTDGSQ QRLVGEKETQ ALTPVSDGME VPNDSALQEF FCLSHDESNS EPHSQSSYRH KEMGQNLRET VSYCLIDDEC PLMVPAFDKS EAQVLNPEHK VTETEDTQMV SKGKDLGTQN HTSELILSSP PGQKVGSSFG LTWDANDMVI STDKTMCMST PVLEPTKVTF SVSPIEATEK CKKVEKGNGR LKNIPDSKEA PVNLCKPSLG KSTIKTNTPI GCKVRKTEII SYPRPNFKNV KAKVMSRAVL QPKDAALSKV TPRPQQTAS SPSSVNSRQQ TVLSRTPRSN LNADKKAEL INKTHKQQFN KLITSQAVHV TTHSKNASHR VPRTTSAVKS NQEDVDKASS SNSACETGSV SALFQKIKGI LPVKMESAEC LEMTYVFNID

RISPEKKGEK ENGTSMEKQE LKQEIMNETF EYGSFLGSA SKTTTTSGRN ISKPDCGLR
QIAAPKAKVG PPSVCLRRNS DNRNPSADRA VSPQRIRRVSSSGKPTSLKT AQSSWVNLPR
PLPKSKASLK SPALRRGTGST PSIASTHSEL STYSNNSGNA AVIKYEEKPP KPAFQNGSSG
SFYLKPLVSR AHVHLMKTPP KGPSRKNLFT ALNAVEKSRQ KNPRSLCIQP QTAPDALPPE
KTLELTQYKT KCENQSGFIL QLKQLLACGN TKFEALTVVI QHLLSEREEA LKQHKLSQE
LVNLRGELVT ASTTCEKLEK ARNELQTVYE AFVQQHQAEK TERNRLKEF YTREYEKLRD
TYIEEAKEYK MQLQEQFDNL NAAHETSKLE IEASHSEKLE LKKAYEASL SEIKKGHEIE
KKSLEDLLSE KQESLEKQIN DLKSENDALN ECLKSEEQKR RAREKANLKN PQIMYLEQEL
ESLKAVLEIK NEKLHQQDIK LMKMEKLVN NTALVDKLR FQGENEELKA RMDKHMAISR
QLSTEQAVLQ ESLEKESKVN KRLSMENEEL LWKLHNGDLC SPKRSPTSSA IPLQSPRNSG
SFPSPSISPR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

MTUS1

Alternative Name:

MTUS1 ([MTUS1 Products](#))

Target Details

Background: Microtubule-associated tumor suppressor 1 (AT2 receptor-binding protein) (Angiotensin-II type 2 receptor-interacting protein) (Mitochondrial tumor suppressor 1),FUNCTION: Cooperates with AGTR2 to inhibit ERK2 activation and cell proliferation. May be required for AGTR2 cell surface expression. Together with PTPN6, induces UBE2V2 expression upon angiotensin-II stimulation. Isoform 1 inhibits breast cancer cell proliferation, delays the progression of mitosis by prolonging metaphase and reduces tumor growth. {ECO:0000269|PubMed:12692079, ECO:0000269|PubMed:19794912}.

Molecular Weight: 141.4 kDa

UniProt: [Q9ULD2](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
