

Datasheet for ABIN7554665
MYT1L Protein (AA 1-1186) (His tag)



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Overview

Quantity:	1 mg
Target:	MYT1L
Protein Characteristics:	AA 1-1186
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYT1L protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MYT1L Protein expressed in mammalien cells.
Sequence:	MEVDTEEKRH RTRSKGVRVP VEPAIQELFS CPTPGCDGSG HVSGKYARHR SVYGCPLAKK RKTQDKQPQE PAPERKPFV KADSSVDEC DDSGTEGDM EKEEDEGEEY SEDNDEPGDE DEEDEEGDRE EEEEEEEDE DDEDGEDVE DEEEEEEEEE EEEEEENED HQMNCHNTRI MQDTEKDDNN NDEYDNYDEL VAKSLLNLGK IAEDAAYRAR TESEMNSNTS NSLEDDSDKN ENLGRKSELS LDLSDVRE TVDSLKLLAQ GHGVVLSNM NDRNYADSMS QQDSRNMNYV MLGKPMNNGL MEKMVEESDE EVCLSSLECL RNQCFLARK LSETNPQERN PQQNMNIRQH VRPEEDFPGR TPDRNYSML NLMRLEEQLS PRSRVFASCA KEDGCHERDD DTTSVNSDRS EEVDMTKGN LTLLEKAIAL ETERAKAMRE KMAMEAGRRD NMRSYEDQSP RQLPGEDRKP KSSDSHVKKP YGKDPSTRTE KESKCPPTG CDGTGHVTGL YPHHRSLSGC PHKDRVPPEI LAMHESVLKC PTPGCTGRGH VNSNRNSHRS LSGCPIAAA KAKAQEKHQ SCDVSKSSQA SDRVLPRMCF VKQLEIPQYG YRNNVPTTTP RSNLAKELEK YSKTSFEYNS YDNHTYGKRA

Product Details

IAPKVQTRDI SPKGYDDAKR YCKDPSPSSS STSSYAPSSS SNLSCGGGSS ASSTCSKSSF
DYTHDMEAAH MAATAILNLS TRCREMPQNL STKPQDLCA T RNPDM EVDEN GTLDLSMNKQ
RPRDSCCPIL TPLEPMSPQQ QAVMNNRCFQ LGEGDCWDLP VDYTKMKPRR IDEDESKDIT
PEDLDPFQEA LEERRY PGEV TIPSPKPKYP QCKESKKDLI T LSGCPLADK SIRSM LATSS
QELKCPTPGC DSGGHITGNY ASHRSLSGCP RAKKSGIRIA QSKEDKEDQE PIRCPVPGCD
GQGHITGKYA SHRSASGCPL AAKRQKDGYL NGSQFSWKS V KTEGMSCTP GCDGSGHVSG
SFLTHRSLSG CPRATSAMKK AKLSGEQMLT IKQRASNGIE NDEEIKQLDE EIKELNESNS
QMEADMIKLR TQITTMESNL KTIEEENKVI EQQNESLLHE LANLSQSLIH SLANIQLPHM
DPINEQN FDA YVTTLTEMYT NQDRYQSPEN KALLENIKQA VRGIQV **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: MYT1L

Alternative Name: MYT1L ([MYT1L Products](#))

Background: Myelin transcription factor 1-like protein (MyT1-L) (MyT1L),FUNCTION: Transcription factor that

Target Details

plays a key role in neuronal differentiation by specifically repressing expression of non-neuronal genes during neuron differentiation. In contrast to other transcription repressors that inhibit specific lineages, mediates repression of multiple differentiation programs. Also represses expression of negative regulators of neurogenesis, such as members of the Notch signaling pathway, including HES1. The combination of three transcription factors, ASCL1, POU3F2/BRN2 and MYT1L, is sufficient to reprogram fibroblasts and other somatic cells into induced neuronal (iN) cells in vitro. Directly binds the 5'-AAGTT-3' core motif present on the promoter of target genes and represses transcription by recruiting a multiprotein complex containing SIN3B. The 5'-AAGTT-3' core motif is absent from the promoter of neural genes. {ECO:0000250|UniProtKB:P97500}.

Molecular Weight: 133.0 kDa

UniProt: [Q9UL68](#)

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