

Datasheet for ABIN7554666

MYT1 Protein (AA 1-1121) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MYT1
Protein Characteristics:	AA 1-1121
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MYT1 Protein expressed in mammalian cells.
Sequence:	<p>MSLENEDKRA RTRSKALRGP PETTAADLSC PTPGCTGSGH VRGKYSRHRS LQSCPLAKKR</p> <p>KLEGAEAEHL VSKRKSHPLK LALDEGYGVD SDGSEDTEVK DASVSESEG TLEGAEETS</p> <p>GQDEIHRPET AGRSPVKSH FGSNPIGSAT ASSKGSYSSY QGIIATSLN LGQIAETLV</p> <p>EEDLGQAAKP GPGIVHLLQE AAEGAASEEG EKGLFIQPED AEEVVEVTTE RSQDLCPQSL</p> <p>EDAASEESSK QKGILSHEEE DEEEEEEEEE EEEEEEEEE EEEEEEEEE EEEEEEEEE</p> <p>EEEEEEAAPD VIFQEDTSH SAQKAPELRG PESPSKPPEY SVIVEVRSD DKDEDTHSRK</p> <p>STVTDESEMQ DMMTRGNLGL LEQAIALKAE QVRTVCEPGC PPAAEQSQLGL GEPGKAAKPL</p> <p>DTVRKSYYSK DPSRAEKREI KCPTPGCDGT GHVTGLYPHH RSLSGCPHKD RIPPEILAMH</p> <p>ENVLKCPTPG CTGQGHVNSN RNTHRSLSGC PIAAAEKLAK SHEKQQPQTG DPSKSSNSD</p> <p>RILRPMCFVK QLEVPPYGSY RPNVAPATPR ANLAKELEKF SKVTFDYASF DAQVFGKRML</p> <p>APKIQTSETS PKAFQCFDYS QDAEAAHMAA TAILNLSTRC WEMPENLSTK PQDLPSKSD</p> <p>IEVDENGTLD LSMHKHRKRE NAFPSSSSCS SSPGVKSPDA SQRHSSTSAP SSSMTSPQSS</p>

QASRQDEWDR PLDYTKPSRL REEEPEESEP AAHSFASSEA DDQEVSEENF EERKYPGEVT
LTNFKLKFLS KDIKKELLTC PTPGCDGSGH ITGNYASHRS LSGCPLADKS LRNLMAAHS
DLKCPTPGCD GSGHITGNYA SHRSLSGCPR AKKSGVKVAP TKDDKEDPEL MKCPVPGCVG
LGHISGKYAS HRSASGCPLA ARRQKEGSLN GSSFWSKSLK NEGPTCPTPG CDGSGHANGS
FLTHRSLSGC PRATFAGKKG KLSGDEVLSP KFKTSDVLEN DEEIKQLNQE IRDLNESNSE
MEAAMVQLQS QISSMEKNLK NIEEENKLIE EQNEALFLEL SGLSQALIQS LANIRLPHME
PICEQNFDAY VSTLTDMYSN QDPENKDLE SIKQAVRGIQ V

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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: MYT1

Alternative Name: MYT1 ([MYT1 Products](#))

Background: Myelin transcription factor 1 (MyT1) (Myelin transcription factor I) (MyTI) (PLPB1) (Proteolipid

Target Details

protein-binding protein),FUNCTION: Binds to the promoter region of genes encoding proteolipid proteins of the central nervous system. May play a role in the development of neurons and oligodendroglia in the CNS. May regulate a critical transition point in oligodendrocyte lineage development by modulating oligodendrocyte progenitor proliferation relative to terminal differentiation and up-regulation of myelin gene transcription.
{ECO:0000269|PubMed:14962745}.

Molecular Weight: 122.3 kDa

UniProt: [Q01538](#)

Pathways: [Cell Division Cycle](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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