

Datasheet for ABIN7563560
MYT1L Protein (AA 1-1187) (His tag)



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Overview

Quantity:	1 mg
Target:	MYT1L
Protein Characteristics:	AA 1-1187
Origin:	Mouse
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 mammalian cells.
Sequence:	<p>MDVDSEEKRRH RTRSKGVRVP VEPAIQELFS CPTPGCDGSG HVSGKYARHR SVYGCPLAKK RKTQDKQPQE PPKRKPFAV KADSSSVDEC YESDGTEDMD DKEEDDDEEF SEDNDEQGDD DDEDEVDRED EEEIEEEDDE EDDDDDEDGDD VEEEEEDDDE EEEEEEEEEEE NEDHQMSTR IMQDTRKDDN NNDEYDNYDE LVAKSLLNLG KIAEDAAYRA RTESEMNSNT SNSLEDDSDK NENLGRKSEL SLDLDSVVR ETVDSLKLLA QGHGVVLSN ISDRSYAEGM SQQDSRNMNY VMLGKPMNNG LMEKMVEESD EEVCLSSLEC LRNQCFDLAR KLSETNPQDR SQPPNMSVRQ HVRQEDDFPG RTPDRSYS DMNLMRLEEQL SPRSRTFSSC AKEDGCHERD DDTTSVNSDR SEEVDMTKG NLTLLKAIA LETERAKAMR EKMAMDAGR DNLRSYEDQS PRQLAGEDRK SKSSDSHVKK PYYGKDPSRT EKRESKCPPT GCDGTGHVTG LYPHHRSLSG CPHKDRVPPE ILAMHENVLK CPTPGCTGRG HVNSNRNSHR SLSGCPAAAA EKLAQAQEKH QSCDVSKSNQ ASDRVLRPMC FVKQLEIPQY GYRNNVPTTT PRSNLAKELE KYSKTSFEYN SYDNHTYGKR</p>

Product Details

AIAPKVQTRD ISPKGYDDAK RYCKNASPSS STTSSYAPSS SSNLSCGGGS SASSTCSKSS
FDYTHDMEAA HMAATAILNL STRCREMPQN LSTKPQDLCT ARNPDMEVDE NGTLDLSMNK
QRPRDSCCPV LTPLEPMSPQ QQAVMSSRCF QLSEGDCWDL PVDYTKMKPR RVDEDEPKEI
TPEDLDPFQE ALEERRYPGE VTIPSPKPKY PQCKESKKDL ITLSGCPLAD KSIRSMMLATS
SQELKCPTPG CDGSGHITGN YASHRSLSGC PRAKKSIGIRI AQSKEDKEDQ EPIRCVPVPGC
DGQGHITGKY ASHRASGCP LAAKRQKDG YLNGSQFSWKS VKTEGMSCT PGCDGSGHVS
GSFLTHRSLGCPRATSAMK KAKLSGEQML TIKQRASNGI ENDEEIKQLD EEIKELNESN
SQMEADMIKL RTQITTMESN LKTIEEENKV IEQQNESLLH ELANLSQSLI HSLANIQLPH
MDPINEQNFD AYTTLTEMY TNQDRYQSPE NKALLENIKQ AVRGIQV **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) (Neural zinc finger factor 1) (NZF-1)

Target Details

(Postmitotic neural gene 1 protein) (Zinc finger protein Png-1),FUNCTION: Transcription factor that plays a key role in neuronal differentiation by specifically repressing expression of non-neuronal genes during neuron differentiation (PubMed:28379941). In contrast to other transcription repressors that inhibit specific lineages, mediates repression of multiple differentiation programs (PubMed:28379941). Also represses expression of negative regulators of neurogenesis, such as members of the Notch signaling pathway, including HES1 (PubMed:28379941). 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 (PubMed:20107439, PubMed:24243019, PubMed:27281220). 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 (PubMed:28379941). The 5'-AAGTT-3' core motif is absent from the promoter of neural genes (PubMed:28379941).
{ECO:0000269|PubMed:20107439, ECO:0000269|PubMed:24243019, ECO:0000269|PubMed:27281220, ECO:0000269|PubMed:28379941, ECO:0000269|PubMed:9130664, ECO:0000269|PubMed:9373037}.

Molecular Weight: 132.9 kDa

UniProt: [P97500](#)

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