

Recombinant Human MYT1L Protein, GST-tagged

Cat. No. MYT1L-5869H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYT1L partial ORF (NP_055840, 301 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the zinc finger superfamily of transcription factors whose expression, thus far, has been found only in neuronal tissues. The encoded protein belongs to a novel class of cysteine-cysteine-histidine-cysteine zinc finger proteins that function in the developing mammalian central nervous system. Forced expression of this gene in combination with the basic helix-loop-helix transcription factor NeuroD1 and the transcription factors POU class 3 homeobox 2 and achaete-scute family basic helix-loop-helix transcription factor 1 can convert fetal and postnatal human fibroblasts into induced neuronal cells, which are able to generate action potentials. Mutations in this gene have been associated with an autosomal dominant form of cognitive disability and with autism spectrum disorder. Alternative splicing results in multiple variants. [provided by RefSeq, Jul 2017]
Molecular Mass	37.84 kDa
AA Sequence	MLGKPMNNGLMMEKMVEESDEEVCLSSLECLRNQCFLARKLSETNPQERNPQQN MNIRQHVRPEEDFPGRTPDRNYSMDMLNLMRLEEQLSPRSRVFASCAKEDGCHERD D

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

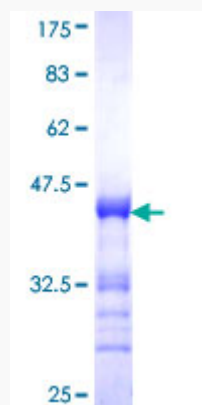
GENE INFORMATION

Gene Name	MYT1L myelin transcription factor 1 like [Homo sapiens (human)]
Official Symbol	MYT1L
Synonyms	MYT1L; myelin transcription factor 1 like; NZF1; MRD39; myT1-L; ZC2H2C2; ZC2HC4B; myelin transcription factor 1-like protein; neural zinc finger transcription factor 1
Gene ID	23040
mRNA Refseq	NM_001303052
Protein Refseq	NP_001289981
MIM	613084
UniProt ID	Q9UL68

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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