

Recombinant Active Human MYT1 Protein (Full length), N-His-tagged

Cat. No. MYT1-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human MYT1 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	MYT1 is a member of a family of neural specific, zinc finger-containing DNA-binding proteins which binds to the promoter regions of proteolipid proteins of the central nervous system and plays a role in the developing nervous system. MYT1 of the oligodendrocyte lineage, along with a closely related CCHC zinc finger, is expressed in developing neurons in the mammalian central nervous system. The recombinant MYT1 fragments containing either the upstream 2 zinc fingers or the downstream 4 zinc fingers bound the same cis regulatory element in the PLP1 promoter in vitro and DNA binding required Zn (2+), but not other divalent cations.
Bio-activity	The specific activity of MYT1 was determined to be 14 nmol/min/mg as per activity assay protocol.
Molecular Mass	Observed MW: ~65 kDa. Calculated MW: ~58.7 kDa.

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Purity	The purity of MYT1 was determined to be > 90 % by densitometry.
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µL
Storage Buffer	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.25mM DTT, 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

Gene Name	PKMYT1 protein kinase, membrane associated tyrosine/threonine 1 [Homo sapiens (human)]
Official Symbol	MYT1
Synonyms	PKMYT1; protein kinase, membrane associated tyrosine/threonine 1; MYT1; PPP1R126; membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase; myt1 kinase; protein phosphatase 1, regulatory subunit 126; EC 2.7.11.1
Gene ID	9088
mRNA Refseq	NM_004203
Protein Refseq	NP_004194

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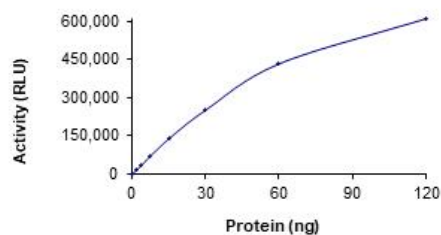
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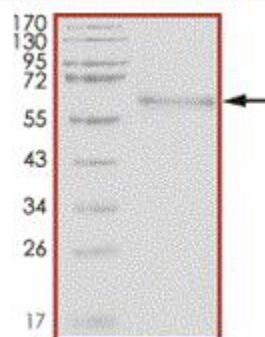
MIM 602474

UniProt ID Q99640

Activity



Purity



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