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Product datasheet for TP316019M

NYX (NM_022567) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nyctalopin (NYX), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216019 representing NM_022567 Red=Cloning site Green=Tags(s) MKGRGMLVLLLHAVVLGLPSAWAVGACARACPAACACSTVERGCSVRCDRAGLLRVPAELPCEAVSIDLD RNGLRFLGERAFGTLPSLRRLSLRHNNLSFITPGAFKGLPRLAELRLAHNGDLRYLHARTFAALSRLRRL DLAACRLFSVPERLLAELPALRELAAFDNLFRRVPGALRGLANLTHAHLERGRIEAVASSSLQGLRRLRS LSLQANRVRAVHAGAFGDCGVLEHLLLNDNLLAELPADAFRGLRRLRTLNLGGNALDRVARAWFADLAEL ELLYLDRNSIAFVEEGAFQNLSGLLALHLNGNRLTVLAWVAFQPGFFLGRLFLFRNPWCCDCRLEWLRDW MEGSGRVTDVPCASPGSVAGLDLSQVTFGRSSDGLCVDPEELNLTTSSPGPSPEPAATTVSRFSSLLSKL LAPRVPVEEAANTTGGLANASLSDSLSSRGVGGAGRQPWFLLASCLLPSVAQHVVFGLQMD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	49.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_072089

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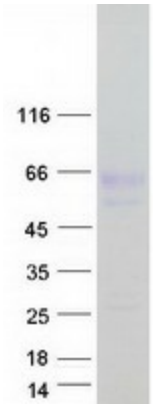
Locus ID:	60506
UniProt ID:	Q9GZU5
RefSeq Size:	2713
Cytogenetics:	Xp11.4
RefSeq ORF:	1443
Synonyms:	CLRP; CSNB1; CSNB1A; CSNB4; NBM1
Summary:	The product of this gene belongs to the small leucine-rich proteoglycan (SLRP) family of proteins. Defects in this gene are the cause of congenital stationary night blindness type 1 (CSNB1), also called X-linked congenital stationary night blindness (XLCSNB). CSNB1 is a rare inherited retinal disorder characterized by impaired scotopic vision, myopia, hyperopia, nystagmus and reduced visual acuity. The role of other SLRP proteins suggests that mutations in this gene disrupt developing retinal interconnections involving the ON-bipolar cells, leading to the visual losses seen in patients with complete CSNB. [provided by RefSeq, Oct 2008]
Protein Families:	Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified NYX protein (Cat# [TP316019]). The protein was produced from HEK293T cells transfected with NYX cDNA clone (Cat# [RC216019]) using MegaTran 2.0 (Cat# [TT210002]).