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Product datasheet for PH316019

NYX (NM_022567) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NYX MS Standard C13 and N15-labeled recombinant protein (NP_072089)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216019
Predicted MW:	49.5 kDa
Protein Sequence:	>RC216019 representing NM_022567 Red=Cloning site Green=Tags(s) MKGRGMLVLLLHAVVLGLPSAWAVGACARACPAACACSTVERGCSVRCDRAGLLRVPAELPCEAVSIDLD RNGLRFLGERAFGTLPSLRRLSLRHNNLSFITPGAFKGLPRLAELRLAHNGDLRYLHARTFAALSRLRRL DLAACRLFSVPERLLAELPALRELAAFDNLFRRVPGALRGLANLTHAHLERGRIEAVASSSLQGLRRLRS LSLQANRVRAVHAGAFGDCGVLEHLLLNDNLLAELPADAFRGLRRLRTLNLGGNALDRVARAWFADLAEL ELLYLDRNSIAFVEEGAFQNLSGLLALHLNGNRLTVLAWVAFQPGFFLGRLFLFRNPWCCDCRLEWLRDW MEGSGRVTDVPCASPGSVAGLDLSQVTFGRSSDGLCVDPEELNLTTSSPGPSPEPAATTVSRFSSLLSKL LAPRVPVEEAANTTGGLANASLSDSLSSRGVGGAGRQPWFLLASCLLPSVAQHVVFGLQMD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_072089
RefSeq Size:	2713
RefSeq ORF:	1443
Synonyms:	CLRP; CSNB1; CSNB1A; CSNB4; NBM1

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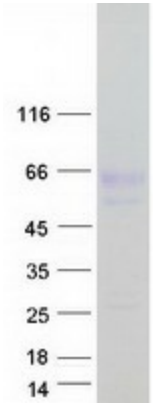
Locus ID:	60506
UniProt ID:	Q9GZU5
Cytogenetics:	Xp11.4
Summary:	The product of this gene belongs to the small leucine-rich proteoglycan (SLRP) family of proteins. Defects in this gene are the cause of congenital stationary night blindness type 1 (CSNB1), also called X-linked congenital stationary night 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]).