

Product datasheet for PH313305

EDDM3B (NM_022360) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EDDM3B MS Standard C13 and N15-labeled recombinant protein (NP_071755)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213305
Predicted MW:	17.6 kDa
Protein Sequence:	<p>>RC213305 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MASSVKIWGTLALLCILCTLLVQSKEVSWREFMKQHYLSPSREFREYKCDVLMRENEALKDKSSHFIY ISWYKIEHICTSDNWMDFRNAYVWQNPLKVLKCHQENSKNSYTESRSFNIEFHCSMDGYVDSIEDLK MVEPIGN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_071755
RefSeq Size:	897
RefSeq ORF:	441
Synonyms:	EP3B; FAM12B; HE3-BETA; HE3B; RAM2
Locus ID:	64184
UniProt ID:	P56851 , W0UV31


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Cytogenetics: 14q11.2

Summary: Testicular sperm are morphologically differentiated but are not progressively motile nor able to fertilize an egg. Post-testicular maturation requires exposure of spermatozoa to the microenvironment of the epididymal lumen. Spermatozoa undergo extensive changes in the epididymis, including enzymatic modifications, loss of pre-existing components and addition of new glycoproteins from epididymal secretions. These modifying proteins and enzymes are synthesized by epithelial cells lining the epididymal duct and secreted apically into the lumen, where they come into contact with, and may be absorbed onto, the sperm membranes. The proteins encoded by the genes in this cluster are synthesized and secreted by epididymal epithelial cells. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified EDDM3B protein (Cat# [TP313305]). The protein was produced from HEK293T cells transfected with EDDM3B cDNA clone (Cat# [RC213305]) using MegaTran 2.0 (Cat# [TT210002]).