

## **Product datasheet for PH313305**

## OriGene Technologies, Inc.

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## 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:HumanExpression Host:HEK293

**Expression cDNA Clone** 

RC213305

or AA Sequence: Predicted MW:

17.6 kDa

Protein Sequence: >RC213305 protein sequence

Red=Cloning site Green=Tags(s)

MASSVKIWGTLLALLCILCTLLVQSKEVSWREFMKQHYLSPSREFREYKCDVLMRENEALKDKSSHMFIYISWYKIEHICTSDNWMDRFRNAYVWVQNPLKVLKCHQENSKNSYTESRSFNYIEFHCSMDGYVDSIEDLK

**MVEPIGN** 

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration:  $>0.05 \mu g/\mu L$  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 071755

RefSeq Size: 897 RefSeq ORF: 441

**Synonyms:** EP3B; FAM12B; HE3-BETA; HE3B; RAM2

**Locus ID:** 64184

**UniProt ID:** <u>P56851</u>, <u>W0UV31</u>





Cytogenetics:

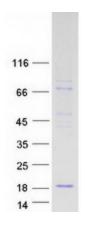
14q11.2

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]).