

# Product datasheet for RC213305

### EDDM3B (NM\_022360) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	EDDM3B (NM_022360) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EDDM3B
Synonyms:	EP3B; FAM12B; HE3-BETA; HE3B; RAM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC213305 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC
	ATGGCATCGTCTGTAAAGATCTGGGGCACACTCTTGGCCCTACTTTGCATCCTATGCACACTGCTTGTAC AGAGCAAAGAAGTTTCTTGGAGAGAAATTCATGAAACAGCACTACTTAAGTCCAAGTCGAGAATTCAGAGA GTACAAATGTGATGTCCTCATGAGAGAAAATGAAGCTCTGAAAGACAAGAGCTCTCACATGTTTATCTAT ATCTCATGGTACAAAATCGAGCATATATGCACTAGTGACAACTGGATGGA
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	<pre>&gt;RC213305 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MASSVKIWGTLLALLCILCTLLVQSKEVSWREFMKQHYLSPSREFREYKCDVLMRENEALKDKSSHMFIY ISWYKIEHICTSDNWMDRFRNAYVWVQNPLKVLKCHQENSKNSYTESRSFNYIEFHCSMDGYVDSIEDLK MVEPIGN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6472_f05.zip



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

## **DRIGENE** EDDM3B (NM\_022360) Human Tagged ORF Clone – RC213305

Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf I ORF Miu I GCGATCGC C ATG NNN ACG CGT
	$\frac{\text{Kozac}}{\text{Consensus}}$ $\frac{\text{EcoRI}}{\text{EcoRI}} = \frac{\text{BamHI} \text{Kpn I}}{\text{RBS}} = \frac{\text{Sgli}}{\text{Sgli}}$ $CTATAGGGGGGCGGGAATTCGTCGACTGGATCGGGTACCGAGGAGATCTGCCCCGGGCGGCGCGGCGCGGGATCCGCCCGACTGGCCGGCGGCGGGAGGAGGATCGGCCGGC$
	EcoR V     Flag.Tag     Pme       Fse         GAT CTG GCA ACT AAT GAT TATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGGCC     D     L     A     N     D     I     L     D     Y     K     D     D     K     V     stop
	* The last codon before the Stop codon of the ORF
ACCN:	NM_022360
ORF Size:	441 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 022360.5</u>
RefSeq Size:	897 bp
RefSeq ORF:	444 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	EDDM3B (NM_022360) Human Tagged ORF Clone – RC213305
Locus ID:	64184
UniProt ID:	<u>P56851</u>
Cytogenetics:	14q11.2
Protein Families:	Secreted Protein, Transmembrane
MW:	17.6 kDa
Gene 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]

## Product images:



Circular map for RC213305

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



25 -18 -14 - Western blot validation of overexpression lysate (Cat# [LY411686]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213305 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US