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 datasheet for RG213305

EDDM3B (NM_022360) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	EDDM3B
Synonyms:	EP3B; FAM12B; HE3-BETA; HE3B; RAM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG213305 representing NM_022360
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCGTCTGTAAAGATCTGGGGCACACTCTTGGCCCTACTTTGCATCCTATGCACACTGCTTGTAC
AGAGCAAAGAAGTTTCTTGGAGAGAATTCATGAAACAGCACTACTTAAGTCCAAGTCGAGAATTCAGAGA
GTACAAATGTGATGTCCTCATGAGAGAAAATGAAGCTCTGAAAGACAAGAGCTCTCACATGTTTATCTAT
ATCTCATGGTACAAAATCGAGCATATATGCACTAGTGACAACTGGATGGATCGCTTCCGAAATGCATATG
TATGGGTCCAGAATCCTCTCAAAGTACTCAAGTGTCACCAGGAGAATTCCAAAAATAGCTACACAGAGAG
CAGGAGCTTCAACTACATTGAATTCCATTGTAGCATGGACGGGTATGTTGATAGCATAGAAGACCTAAAG
ATGGTAGAACCTATCGGCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213305 representing NM_022360
Red=Cloning site Green=Tags(s)

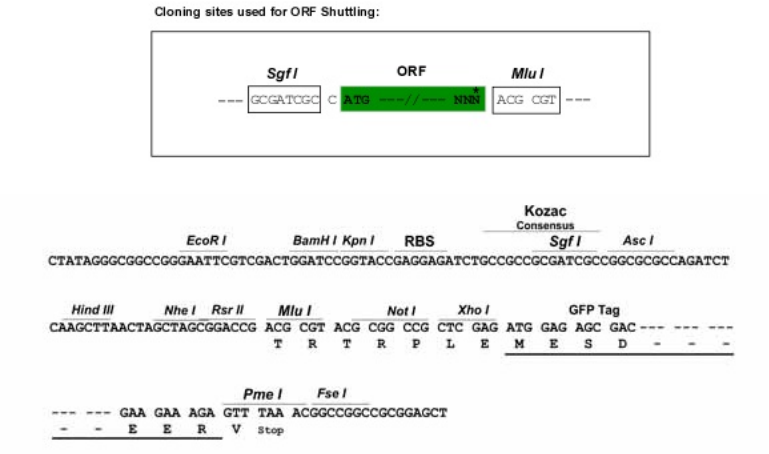
MASSVKIWGTLLALLCILCTLLVQSKEVSWREFMKQHYLSPSREFREYKCDVLMRENEALKDKSSHMFIY
ISWYKIEHICTSDNWMDRFRNAYVWVQNPLKVLKCHQENSKNSYTESRSFNYIEFHCSMDGYVDSIEDLK
MVEPIGN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



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. More info

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:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_022360.5

RefSeq Size: 909 bp

RefSeq ORF: 444 bp

Locus ID: 64184

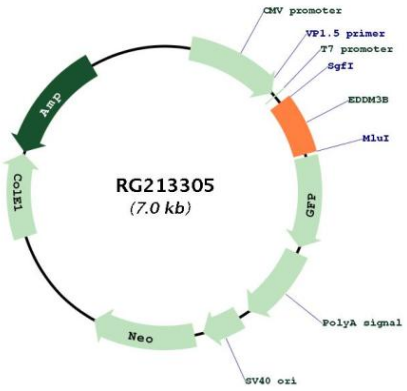
UniProt ID: P56851

Cytogenetics: 14q11.2

Protein Families: Secreted Protein, Transmembrane

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 RG213305