

## Product datasheet for **RG239429**

### Eph receptor B6 (EPHB6) (NM\_001280795) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor B6 (EPHB6) (NM_001280795) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eph receptor B6
Synonyms:	HEP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239429 representing NM\_001280795.  
 Blue=ORF Red=Cloning site Green=Tag(s)

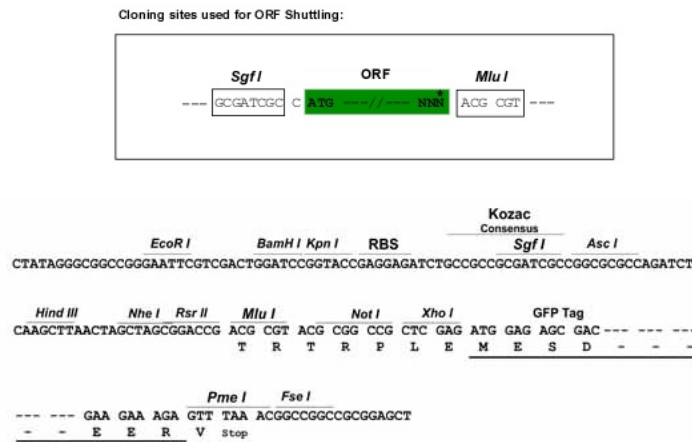
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CAGCTCCCAACCCAGCAGCCCCGTTTGGCCCTGCCTGGAGGGCTTCTACCGGGCCAGTCCCGACCCA
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ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239429  
 Blue=ORF Red=Cloning site Green=Tag(s)

MVAVGGCRCQPGYQPARGDKACQACPRGLYKASAGNAPCSPCPARSHAPNPAAPVPCPLEGFYRASSDP  
 PEAPCTGPPSAPQELWFEVQGSALMLHWRLPRELGGRGDLLFNVVCKECEGRQEPASGGGGTCHRCRDE  
 VHFDPQRGLTESRVLVGGLRAHVPIILEVQAVNGVSELSPDPPQAAAINVSTSHEVPSAVPVVHQVSR  
 ASNSITVSWPQPDQTNGNILDYQLRYYDQAEDESHSFTLTSETNTATVTQLSPGHIYGFQVRARTAAGH  
 GPYGGKYYFQTL PQGELSSQLPERLSLVIGSILGALAFLLAAITVLAVVFQRKRRGTGYTEQLQQYSS  
 PGLGVKYYIDPSTYEDPCQAIRELAREVDPAYIKIEEVIGTGSFGEVRQGRQLQPRGRREQTVAIQALWA  
 GGAESLQMTFLGRAAVLQGFQHPNILRLEGVVKSRPLMVLTEFMELGPLDSFLRQREGQFSSLQLVAM  
 QRGVAAAMQYLSFAFVHRSLSAHSVLVNSHLVCKVARLGHSPQGPSCLLRWAPEVIAHGKHTTSSDV  
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 LSLEDLPALGITLAGHQKLLHHIQLLQQLRQQGSVEV  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001280795

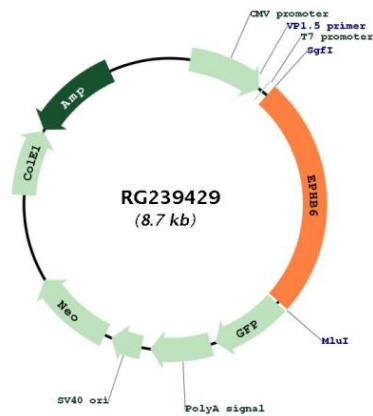
**ORF Size:** 2187 bp

**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.

<b>Components:</b>	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).
<b>RefSeq:</b>	<u>NM_001280795.2, NP_001267724.2</u>
<b>RefSeq Size:</b>	3380 bp
<b>RefSeq ORF:</b>	2190 bp
<b>Locus ID:</b>	2051
<b>UniProt ID:</b>	<u>O15197</u>
<b>Cytogenetics:</b>	7q34
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Axon guidance
<b>MW:</b>	80.2 kDa
<b>Gene Summary:</b>	This gene encodes a member of a family of transmembrane proteins that function as receptors for ephrin-B family proteins. Unlike other members of this family, the encoded protein does not contain a functional kinase domain. Activity of this protein can influence cell adhesion and migration. Expression of this gene is downregulated during tumor progression, suggesting that the protein may suppress tumor invasion and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

### Product images:



Circular map for RG239429