

Product datasheet for MR231460

Ephb2 (NM_001290753) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ephb2 (NM_001290753) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ephb2
Synonyms:	Cek5; Dr; Drt; Er; Erk; ETECK; Hek5; Nu; Nuk; Prk; Prkm5; Qek5; Sek; Sek3; Tyr; Tyro5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231460 representing NM_001290753 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGC**C

ATGGCCGTGCGCAGGCTGGGGCCGCGCTGCTGCTGCTGCCGCTGCTAGCCGCCGTGGAAGAAACCCTGA
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Protein Sequence:

>MR231460 representing NM_001290753
 Red=Cloning site Green=Tags(s)

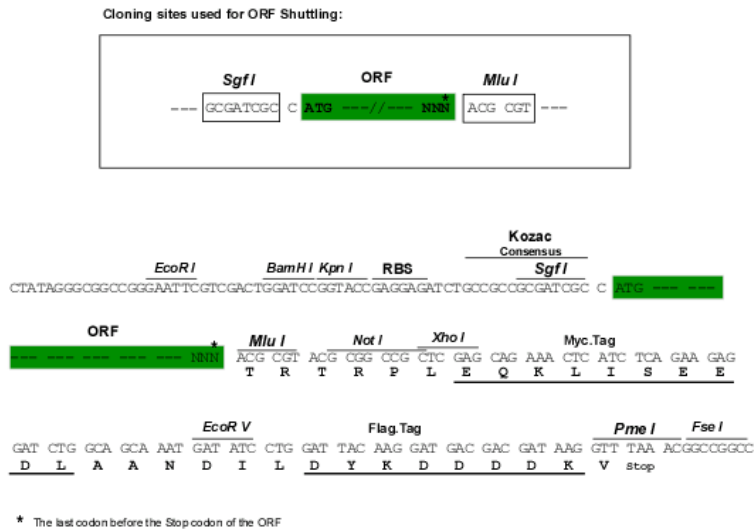
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001290753

ORF Size: 2961 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.

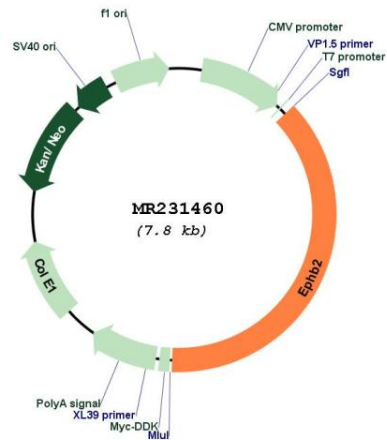
RefSeq: [NM_001290753.2](#), [NP_001277682.1](#)

RefSeq Size: 4875 bp

RefSeq ORF: 2964 bp
 Locus ID: 13844
 UniProt ID: [P54763](#)
 Cytogenetics: 4 69.0 cM
 MW: 110.5 kDa

Gene Summary: This gene encodes a member of the Eph receptor family of receptor tyrosine kinase transmembrane glycoproteins. These receptors consist of an N-terminal glycosylated ligand-binding domain, a transmembrane region and an intracellular kinase domain. The encoded receptor preferentially binds membrane-bound ephrin-B ligands and is involved in nervous system and vascular development. This gene is used as a marker of intestinal stem cells. Homozygous knockout mice for this gene exhibit impaired axon guidance and vestibular function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MR231460