

Product datasheet for **RC600052**

Eph receptor B6 (EPHB6) (NM_004445) Human Tagged ORF Clone

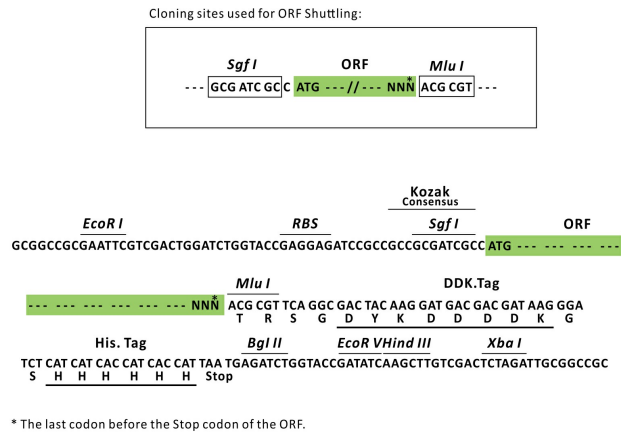
Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor B6 (EPHB6) (NM_004445) Human Tagged ORF Clone
Tag:	DDK-His
Symbol:	Eph receptor B6
Synonyms:	HEP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5-DDK-His (PS100068)
E. coli Selection:	Ampicillin (100 ug/mL)



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Chromatograms: https://cdn.origene.com/chromatograms/mk8117_g05.zip
Restriction Sites: Sgfl-MluI
Cloning Scheme:



ACCN: NM_004445

ORF Size: 1782 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 extra cellular domain of the protein 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_004445.5](#), [NP_004436.4](#)

RefSeq Size: 3449 bp

RefSeq ORF: 3069 bp

Locus ID: 2051

UniProt ID:	<u>O15197</u>
Cytogenetics:	7q34
Domains:	ptkinase, EPH_lbd, TyrKc, SAM, S_TKc, FN3
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance
MW:	63.3 kDa
Gene Summary:	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]