

Protein Sequence: >MR226272 protein sequence
Red=Cloning site Green=Tags(s)

MAAAPLLLLLLLLVPVPLLPLLAQGGALGNRHAVYWSSNQHLRREGYTVQVNVNDYLDIYCPHYNSSG
 PGGGAEQYVLYMVNLSGYRTCNASQSGSKRWE CNRQHASHSPIKFSEKFQRYSAFSLGYEFHAGQEYYIS
 TPTHNLHWKCLRMKVFVCCASTSHSGEKPVPTLPQFTMGPNVKINVLEDFEGENPVQPKLEKSI SGTSPK
 REHLPLAVGIAFFLMTLLAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010108

ORF Size: 693 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_010108.2](#)

RefSeq Size: 1225 bp

RefSeq ORF: 693 bp

Locus ID: 13638

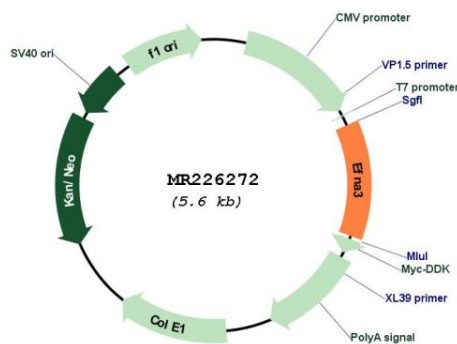
UniProt ID: [O08545](#)

Cytogenetics: 3 39.06 cM

MW: 25.6 kDa

Gene Summary: Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226272