

Product datasheet for **SC337779**

Eph receptor A5 (EPHA5) (NM_001281766) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor A5 (EPHA5) (NM_001281766) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPHA5
Synonyms:	CEK7; EHK-1; EHK1; EK7; HEK7; TYRO4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001281766, the custom clone sequence may differ by one or more nucleotides

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ATGCGGGGCTCGGGGCCCGGGGTGCGGGACGCCGGCGGCCCAAGCGGGCGGGCGACACCCCATCA
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AAATGAAGGTGCAGCTGGTAAACGGAATGGTGCCATTGTA
    
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Restriction Sites: SgfI-MluI

ACCN:	NM_001281766
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001281766.2</u> , <u>NP_001268695.1</u>
RefSeq Size:	8372 bp
RefSeq ORF:	3051 bp
Locus ID:	2044
UniProt ID:	<u>P54756</u>
Cytogenetics:	4q13.1-q13.2
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	<p>This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon in the coding region compared to variant 3. The resulting protein (isoform d) is shorter but has the same N- and C-termini compared to isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>