

Product datasheet for **SC125307**

Ephrin A1 (EFNA1) (NM_004428) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ephrin A1 (EFNA1) (NM_004428) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ephrin A1
Synonyms:	B61; ECKLG; EFL1; EPLG1; GMAN; LERK-1; LERK1; TNFAIP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125307 sequence for NM_004428 edited (data generated by NextGen Sequencing) ATGGAGTTCTCTGGGCCCTCTCTTGGGTCTGTGCTGCAGTCTGGCCGCTGCTGATCGC CACACCGTCTTCTGGAACAGTTCAAATCCCAAGTCCGGAATGAGGACTACACCATACAT GTGCAGCTGAATGACTACGTGGACATCATCTGTCCGCACTATGAAGACTACTCTGTGGCA GACGCTGCCATGGAGCAGTACATACTGTATCTGGTGGAGCATGAGGAGTACCAGCTGTGC CAGCCCCAGTCCAAGGACCAAGTCCGCTGGCAGTGCAACCGGCCAGTGCCAAGCATGGC CCGGAGAAGCTGTCTGAGAAGTTCAGCGCTTCACACCTTTCACCCTGGGCAAGGAGTTC AAAGAAGGACACAGCTACTACTACATCTCAAACCCATCCACCAGCATGAAGACCGCTGC TTGAGGTTGAAGGTGACTGTCAAGTGGCAAATCACTCACAGTCTCAGGCCCATGACAAT CCACAGGAGAAGAGACTTGCAGCAGATGACCCAGAGGTGCGGGTTCTACATAGCATCGGT CACAGTGTGCCCCACGCTCTTCCCCTTGCCCTGGACTGTGCTGCTCCTCCACTCTG CTGCTGCAAACCCCGTGA Clone variation with respect to NM_004428.2 210 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004428 unedited TCTATACCCCGCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG CGAATTCGGCACGAGGGCTGACTGCGCCGCGGAGAAAGCCAGTGGGAACCCAGACCCATA GGAGACCCGCGTCCCCTCGGCCTGGCCAGGCCCGCGCTATGGAGTTCCTCTGGGCC CTCTCTTGGGTCTGTGCTGCAGTCTGGCCGCTGCTGATCGCCACACCGTCTTCTGGAACA GTTCAAATCCCAAGTCCGGAATGAGGACTACACCATACATGTGCAGTGAATGACTACG TGGACATCATCTGTCCGCACTATGAAGTCACTCTGTGGCAGACGCTGCCATGGAGCAGT ACATACTGTATCTGGTGGAGCATGAGGAGTACCAGCTGTGCCAGCCCCAGTCCAAGGACC AAGTCCGCTGGCAGTGCAACCGGCCAGTGCCAAGCATGGCCCGGAGAAGCTGTCTGAGA AGTTTCAGCGCTTACACCTTTACCCTGGGCAAGGAGTTCANAGAAGGACACAGCTACT ACTACATCTCAAACCCATCCACCAGCATGAAGACCGCTGCTTGAGGTTGAAGGTGACTG TCAGTGGCAAAATCACTCACAGTCTCAGGCCATGACAATCCACAGGAGAAGAGACTTG CAGCAGATGACCCAGAGGTGCGGGTTCTACATAGCATCGGTACAGTGTGCCCCAGCT CTTCCCCTTTGCTGAACTGTGCTGCTCCTTTCACTTCTNTGCTGCGAACCCCGTGGAGG TGTGTTGCCACACCTGGCTTTATGAGGGACAGGCTTGANAAGGGAACAGGCTCCAAACT GGTCTGGGGCCATTTCAAAGCCCCCAGCCTGGGAACAATCCCC
Restriction Sites:	ECoRI-NOT
ACCN:	NM_004428
Insert Size:	800 bp
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:	NM_004428.2 , NP_004419.2
RefSeq Size:	1590 bp
RefSeq ORF:	618 bp
Locus ID:	1942
UniProt ID:	P20827
Cytogenetics:	1q22
Domains:	Ephrin
Protein Families:	Druggable Genome

Protein Pathways: Axon guidance

Gene Summary: This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (a).