

## Product datasheet for **RC220326**

### Eph receptor A3 (EPHA3) (NM\_182644) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor A3 (EPHA3) (NM_182644) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eph receptor A3
Synonyms:	EK4; ETK; ETK1; HEK; HEK4; TYRO4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC220326 representing NM\_182644  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATTGTCAGCTCTCCATCCTCCTCTCTCAGCTGCTCTGTTCTCGACAGCTTCGGGAACTGATTC  
 CGCAGCCTTCCAATGAAGTCAATCTACTGGATTCAAAAACAATCAAGGGGAGCTGGGCTGGATCTCTTA  
 TCCATCACATGGGTGGGAAGAGATCAGTGGTGTGGATGAACATTACACACCCATCAGGACTTACCAGGTG  
 TGCAATGTCATGGACCACAGTCAAAAACAATTGGCTGAGAACAACCTGGTCCCCAGGAACCTCAGCTCAGA  
 AGATTTATGTGGAGCTCAAGTTCCTCTACGAGACTGCAATAGCATTCCATTGGTTTTAGGAACTTGCAA  
 GGAGACATTCAACCTGTACTACATGGAGTCTGATGATGATCATGGGGTGAATTTTCGAGAGCATCAGTTT  
 ACAAGATTGACACCATTGCAGCTGATGAAAGTTTCACTCAAATGGATCTTGGGGACCGTATTCTGAAGC  
 TCAACTGAGATTAGAGAAGTAGGCTCTGTCAACAAGAAGGGATTTATTTGGCATTTCAGATGTTGG  
 TGCTTGTGTTGCCTTGGTGTCTGTGAGAGTATACTTCAAAAAGTCCCATTACAGTGAAGAATCTGGCT  
 ATGTTTCCAGACACGGTACCCATGGACTCCCAGTCCCTGGTGGAGTTAGAGGGTCTTGTGTCAACAATT  
 CTAAAGGAGGAAGATCCTCAAGGATGACTGCAGTACAGAAGGCGAATGGCTTGTACCCATTGGCAAGTG  
 TTCTGCAATGCTGGCTATGAAGAAAGAGGTTTTATGTGCCAAGCTTGTGCGACAGGTTTCTACAAGGCA  
 TTGGATGGTAATATGAAGTGTGCTAAGTGCCCGCTCACAGTTCTACTCAGGAAGATGGTTCAATGAACT  
 GCAGGTGTGAGAATAATTACTCCGGGCAGACAAGACCTCCATCCATGGCTTGTACCCGACCTCCATC  
 TTCACCAAGAAATGTTATCTCTAATAAACGAGACCTCAGTTATCCTGGACTGGAGTTGGCCCCGGAC  
 ACAGGAGGCCGGAAGATGTTACCTTCAACATCATATGAAAAATGTGGGTGGAATATAAACAGTGTG  
 AGCCATGCAGCCAAATGTCGGCTTCCCTCCCTCGACAGTTTGGACTCACCAACACCACCGTACAGTGC  
 AGACCTTCTGGCACATACTAATAACACCTTTGAGATTGATGCCGTTAATGGGGTGTGAGAGCTGAGCTCC  
 CCACCAAGACAGTTTGTGCGGTCAGCATCACAATAATCAGGCTGCTCCATCACCTGCTCTGACGATTA  
 AGAAAGATCGGACCTCCAGAAATAGCATCTCTTTGCTGCGCAAGAACCTGAACATCCTAATGGGATCAT  
 ATTGGACTACGAGGTCAAATACTATGAAAAGCAGGAACAAGAAACAAGTTATACCATTCTGAGGGCAAGA  
 GGCACAAATGTTACCATCAGTAGCCTCAAGCCTGACACTATATACGATTCCAAATCCGAGCCCCGAACAG  
 CCGCTGGATATGGGACGAACAGCCGAAGTTTGTGTTGAACTAGTCCAGACTGTATGTATTATTTCAA  
 TGCAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC220326 representing NM\_182644  
 Red=Cloning site Green=Tags(s)

MDCQLSILLLLSCSVLDSFGELIPQPSNEVNLDSKTIQGELGWISYPSHGWEIISGVDEHYTPIRTYQV  
 CNVMDHSQNNWLRNWNVPRNSAQKIYVELKFTLRDCNSIPLVLGTCKETFNLYYMESDDDHGKVFREHQF  
 TKIDTIAADESFTQMDLGDRILKLNTEIREVGPVNKKGFLAFQDVGACVALVSVRVYFKKCPFTVKNLA  
 MFPDTPMDSQSLVEVRGSCVNNSKEEDPPRMYCSTEGEWLVPIGKCSNAGYEERGFMCQACRPGFYKA  
 LDGNMKAACPPHSSTQEDGSMNRCENNYFRADKPPSMACTRPPSPRNVISINETSVIDLWSWPLD  
 TGGRKDVTFNIICKKCGWNIKQCEPCSPNVRFLPRQFGLTNTTIVTDLAHTNYTFEIDAVNGVSELSS  
 PPRQFAAVSITTNQAAPSPVLTIKKDRSRNSISLSWQEPEHPNGIILDYEVKYYEKQEETSITILRAR  
 GTNVTISSLKPDTIYVFQIRARTAAGYGTNSRKFEFETSPDCMYFNAV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8013\\_f02.zip](https://cdn.origene.com/chromatograms/mk8013_f02.zip)

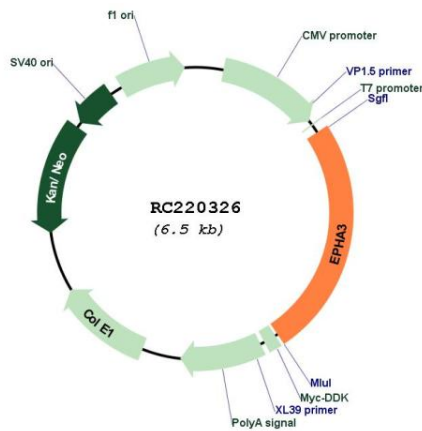
**Restriction Sites:**

Sgfl-Mlul



<b>Cytogenetics:</b>	3p11.1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Axon guidance
<b>MW:</b>	60.8 kDa
<b>Gene Summary:</b>	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. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC220326