

## Product datasheet for TP511365

### Epha1 (NM\_023580) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Eph receptor A1 (Epha1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211365 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MERRWPLGLALLLLLLCAPLPPGARAEVTLMDTSTAQAEWGLLDPPETGWSEVQQMLNGTPLYMYQDC  
PIQEGGDTDHWLRSNWYRGEEASRIYVELQFTVRDCKSFPGGAGPLGCKETFNLFYMESDQDVGILRR  
PLFQKVTTVAADQSFTIRDLASGSVKLNVERCSLGHLLRRGLYLAFHNPGSCVALVSVRVFYQCAETVH  
GLAHFPDTLPGPGGLVEVAGTCLSHAQISLSSGTPRMHCSPDGEWLVVPGQCQCEPGYEESGNGVCTA  
CPTGFYRVDMNTLRCLKCPQHSIAESEGSTICTCENGHYRAPGEGPQVACTRPPSAPQNLSFSTSGTQLS  
LRWEPPRDTGGRHDIRYSVECLQCRGIAQDGGPCQPCGKGVHFSPPAASGLTSTVQVQGLEPYANYTFTV  
KSQNRVSGLDSSSPSSASLSINMGHAESLSGLSLKLVKKEPRQLELTWAGSRPRNPGGNLSYELHVLNQD  
EEWHQMVLEPRVLLTKLQPDTTYIVRVRTLPLGPGPFSPDHEFRTSPPVSRSLTGGEIVAVIFGLLLGI  
ALLIGIYVFRSRRGQRQRQRERTTNVDREDKLWLKPYVDLQAYEDPAQALDFAQELDPAWLIVDTV  
IGEGEFGEVYRGALRLPSQDCKTVAIKTLKDTSPDGYWWNFLREATIMGQFNHPHILRLEGVITKRKPI  
IITEFMENGALDAFLKEREDQLAPGQLVAMLLGIASGMNCLSGHNYVHRDLAARNILVNQNLCKVSDFG  
LTRLDDDFDGTYETQGGKIPRWTAPEIAHRIFTASDVWSFGVIMWEVLSFGDKPYGEMSNQEVMSKI  
EDGYRLPPPVDPCAPLYELMKNWAYDRARRPHFLQLQAHLEQLLTDPHSLRTIANFDPRVTLRLPSLSG  
SDGIPYRSVSEWLESIRMKRYILHFRSAGLDTMECVLELTAEDLTQMGITLPGHQKRILCSIQGFKD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	108.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_076069</a>
<b>Locus ID:</b>	13835
<b>UniProt ID:</b>	<a href="#">Q60750</a>
<b>RefSeq Size:</b>	3273
<b>Cytogenetics:</b>	6 B2.1
<b>RefSeq ORF:</b>	2934
<b>Synonyms:</b>	5730453L17Rik; AL033318; Eph; Esk
<b>Summary:</b>	Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands 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. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Plays also a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis.[UniProtKB/Swiss-Prot Function]