

Recombinant Dog EPHA2 Protein, Fc-tagged

Cat. No. EPHA2-01D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog EPHA2 Protein, fused to Fc-tag, was expressed in HEK293.
Species	Dog
Source	HEK293
Description	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. Mutations in this gene are the cause of certain genetically-related cataract disorders.
Form	PBS, pH 7.4, 0.1mM PMSF, 1 mM EDTA.
Molecular Mass	79 kDa
AA Sequence	AQGKEVLLDFAAAK GELGWLTHPYGKGWDLMQNIMDDMPIYMYSV CNV VAGDQD NWLRTNWVYRGEAERIFIELKFTVRDCNSFP GGASSCKETFNLYYAESD VDYGTNF QKRQFTKIDTIAPDEITDIGACVALLSVRVYYKKCEPLLQGLARFPETIAGSDAPSLAT VAGTCVDHAVVPPGGEEPRMHCAVDGEWLVP I GQCLCQAGYEKVEDACQACSPG FFKSEASESPCLECPVHTVLSSEGATFCDC EEGYFRAPQDLLSMPCTRPPSAPHYL

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TAVGMGAKVELRWTPPQDSGGRDDIVYSVTCEQCWPESGECGPCEASVRYSEPP
 HALTRTSVTVSDLEPHMNYTFAVEARNGVSELVASRSFRTASVSINQTEPPKVKLEG
 RTTTSLSVSWSSIPPPQQSRVWKYEVTYRKKGDSNSYNVRRTEGFSVTLDDLAPDTT
 YLIQVQALTQEGQGAGSKIHEFQTLSTEASGNLAIEGRMDSCDKTHTCPPCPAPELL
 GGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP
 REEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQ
 VYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGS
 FFLYSKLTVDKSRWQQGNVFCSSVMHEALHNHYTQKSLSLSPGK

Purity > 90%

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.08mg/ml

GENE INFORMATION

Gene Name EPHA2 EPH receptor A2 [*Canis lupus familiaris* (dog)]

Official Symbol EPHA2

Synonyms ECK; CTPA; ARCC2; CTPP1; CTRCT6

Gene ID 487421

mRNA Refseq XM_038660228

Protein Refseq XP_038516156

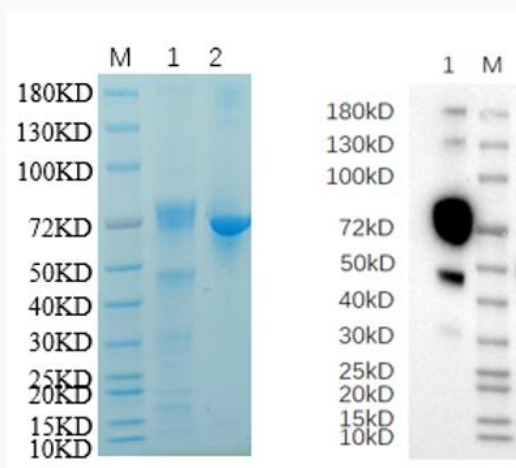
UniProt ID A0A286R219

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**Reducing 12% SDS-
PAGE and WB
analysis profiles of
purified Dog Epha2**



Lane 1. Dog Epha2

Lane 2. BSA

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