

## Product datasheet for **TP700138**

### Eph receptor A2 (EPHA2) (NM\_004431) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human EPH receptor A2 (EPHA2), with C-terminal DDK/His tag, expressed in human cells
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC600038, encoding the extracellular domain (Ala24-Val537) of human EPHA2
Tag:	C-DDK/His
Predicted MW:	59 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004422</a>
Locus ID:	1969
UniProt ID:	<a href="#">P29317</a> , <a href="#">A0A024QZA8</a>
RefSeq Size:	3970
Cytogenetics:	1p36.13
RefSeq ORF:	1611
Synonyms:	ARCC2; CTPA; CTPP1; CTRCT6; ECK



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**Summary:**

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.[provided by RefSeq, May 2010]

**Protein Families:**

Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:**

Axon guidance

**Product images:**