

Product datasheet for **TP725154**

Eph receptor A2 (EPHA2) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human EphA2 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala24-Asn534
Tag:	C-hFc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4
Note:	Recombinant Human EphA2 is produced by our Mammalian expression system and the target gene encoding Ala24-Asn534 is expressed with a hFc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	1969
UniProt ID:	P29317
Summary:	<p>Ephrin type-A receptor 2 (EphA2) belongs to the Eph receptor tyrosine kinase family which binds Ephrins A1, 2, 3, 4, and 5. The ephrins and Eph receptors are implicated as positional labels that may guide the development of neural topographic maps. They have also been found involved in embryonic patterning, neuronal targeting, vascular development and adult neovascularization. Furthermore, elevated expression of Eph receptors and ephrin ligands is associated with tumors and associated tumor vasculature, suggesting the Eph receptors and ephrin ligands also play critical roles in tumor angiogenesis and tumor growth. EphA2 is upregulated in breast, prostate, and colon cancer vascular endothelium. Its ligand, EphrinA1, is expressed by the local tumor cells. In some cases, EphA2 and EphrinA1 are expressed in the same blood vessels. EphA2 signaling cooperates with VEGF receptor signaling in promoting endothelial cell migration.</p>



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