

Recombinant Human EPHA2 Receptor A2, GST-tagged, Active

Cat. No. EPHA2-300H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPHA2 (561-end) was expressed by baculovirus in <i>Sf9</i> insect cell/susing an N-terminal GST tag. MW=72kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	561-end a.a.
Description	EPHA2 is a member of the ephrin receptor subfamily of protein-tyrosine kinases that bind the ephrin-A ligand and have diverse cellular function. EPHA2 has been shown to be an oncoprotein of importance in a range of cancers. EPHA2 is overexpressed in several human cancer types and promotes malignancy through a mechanism involving RhoA-dependent destabilization of adherens junctions. EPHA2 overexpression induces a FAK-dependent increase in MMP-2 expression and invasiveness and this process that can be reversed by ligation of EPHA2.
Sequence	561-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

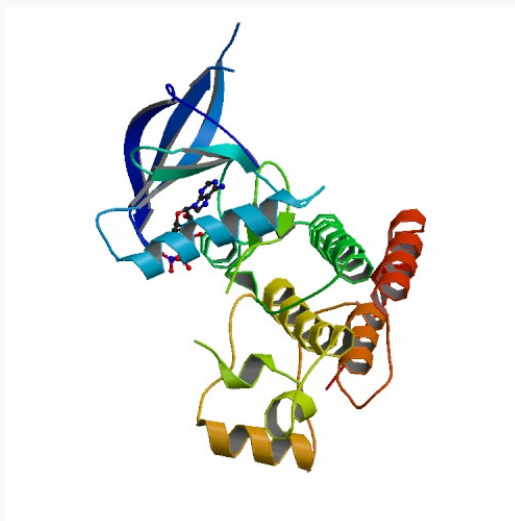
Gene Name	EPHA2 EPH receptor A2 [Homo sapiens]
Synonyms	EPHA2; EPH receptor A2; ECK; ARCC2; protein tyrosine kinase; soluble EPHA2 variant 1; soluble EPHA2 variant 1; epithelial cell receptor protein tyrosine kinase; ephrin receptor EphA2; EC 2.7.10.1
Gene ID	1969
mRNA Refseq	NM_004431
Protein Refseq	NP_004422
MIM	176946
UniProt ID	P29317
Chromosome Location	1p36
Pathway	Axon guidance
Function	ATP binding; ephrin receptor activity; nucleotide binding; protein binding; receptor activity; transferase activity

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PDB rendering based
on 1mqb.



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