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# Recombinant human EphA2 protein

Catalog Number: ATGP3378

## PRODUCT INFORMATION

**Expression system**
Baculovirus

**Domain**
27-537aa

**UniProt No.**
P29317

**NCBI Accession No.**
NP_004422.2

**Alternative Names**
EPH receptor A2, Ephrin type-A receptor 2, EPHA2, Epithelial cell kinase, Tyrosine-protein kinase receptor ECK, ARCC2, CTPA, CTPP1, CTRCT6

## PRODUCT SPECIFICATION

**Molecular Weight**
57.3 kDa (520aa)

**Concentration**
0.5mg/ml (determined by absorbance at 280nm)

**Formulation**
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

**Purity**
> 95% by SDS-PAGE

**Endotoxin level**
< 1 EU per 1ug of protein (determined by LAL method)

**Biological Activity**
Measured by its binding ability in a functional ELISA with Human Ephrin-A1 (CAT# ATGP3782).

**Tag**
His-Tag

**Application**
SDS-PAGE, Bioactivity

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

# Recombinant human EphA2 protein

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## Description

EPHA2, also known as ephrin type-A receptor 2, is a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. It is implicated as positional labels that may guide the development of neural topographic maps. It has also been found implicated in embryonic patterning, neuronal targeting, vascular development and adult neovascularization. Recombinant human EPHA2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques

## Amino acid Sequence

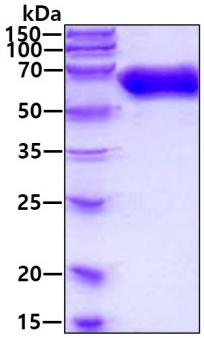
<ADP>KEVVLLD FAAAGGELGW LTHPYGKGWD LMQNIMNDMP IYMYSVCNVM SGDQDNWLRT NWVYRGEAER IFIELKFTVR DCNSFPGGAS SCKETFNLYY AESDLDYGTN FQKRLFTKID TIAPDEITVS SDFEARHVKL NVEERSVGPL TRKGFYLAFQ DIGACVALLS VRVYYKKCPE LLQGLAHFPE TIAGSDAPSL ATVAGTCVDH AVVPPGGEEP RMHCAVDGEW LVPIGQCLCQ AGYEKVEDAC QACSPGFFKF EASESPCLEC PEHTLPSPEG ATSCECEEGF FRAPQDPASM PCTRPPSAPH YLTAVGMGAK VELRWTPPQD SGGREDIVYS VTCEQCWPES GECGPCEASV RYSEPPHGLT RTSVTVSDLE PHMNYTFTVE ARNGVSGLVT SRSFRTASVS INQTEPPKVR LEGRSTTSLS VSWSIPPPQQ SRVWKYEVTY RKKGDSNSYN VRRTEGFSVT LDDLAPDTTY LVQVQALTQE GQGAGSKVHE FQTLSPEGSG NLAV<HHHHHH>

## General References

Flanagan JG., et al. (1998) Annu Rev Neurosci. 21:309-345.
Cheng N., et al. (2002) Cytokine Growth Factor Rev. 13:75-85.

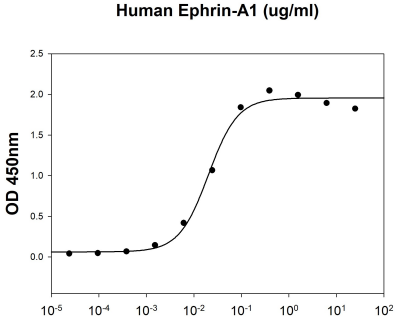
# DATA

## SDS-PAGE




3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

## Biological Activity




Human EphA2 is coated at 2 ug/ml (100 ul/well) can bind Human Ephrin-A1 (CAT# ATGP3782) in a Functional ELISA assay.