

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

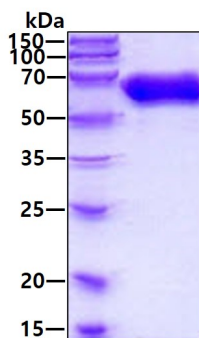
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General References

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

DATA

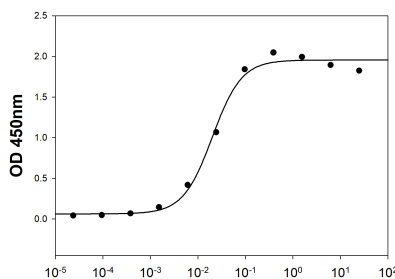
SDS-PAGE



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

Biological Activity

Human Ephrin-A1 (ug/ml)



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