

Recombinant mouse EphA4 protein

Catalog Number: ATGP3403

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-547aa

UniProt No.

Q03137

NCBI Accession No.

NP_031962

Alternative Names

EPH receptor A4, Ephrin type-A receptor 4, Tyrosine-protein kinase receptor MPK-3, Tyrosine-protein kinase receptor SEK-1, Cek8, Hek8, rb, Sek, Tyro1

PRODUCT SPECIFICATION

Molecular Weight

59.3 kDa (536aa)

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)

Tag

His-Tag

Application

SDS-PAGE

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

Description

Epha4, as known as ephrin type-A receptor 4, is a single-pass type 1 membrane protein which belongs to the protein kinase superfamily and ephrin receptor subfamily. This protein may play a role in a signal transduction process involved in hindbrain pattern formation. The ephrins and ephrin receptors comprise the largest

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subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Recombinant mouse EphA4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques

Amino acid Sequence

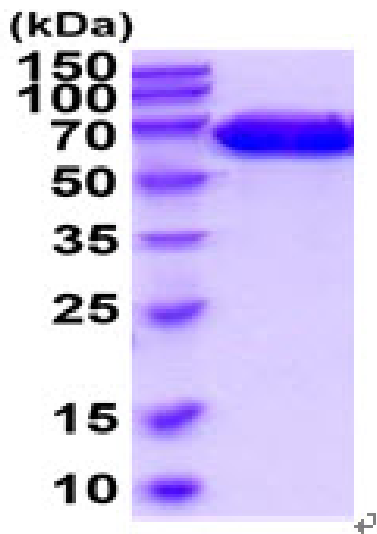
VTGSRVYPAN EVTL LDSRSV QGELGWIASP LEGGWEEVSI MDEKNTPIRT YQVCNVMEAS QNNWLR TDWI TREGAQRVYI
EIKFTLRDCN SLPGVMGTCK ETFNLYYES DNDKERFIRE SQFGKIDTIA ADESFTQVDI GDRIMKLNTE IRDVGPLSKK
GFYLA FQDVG ACIALVSVRV FYKKCPLTVR NLAQFPDTIT GADTSSLVEV RGSCVNNSEE KDVPKMYCGA DGEWLVPIGN
CLCNAGHEEQ NGECQACKIG YYKALSTDAS CAKCPPHSYS VWEGATSCTC DRGFFRADND AASMPCTRPP SAPLN LISNV
NETSVNLEWS SPQNTGGRQD ISYNNVCKKC GAGDPSKCRP CGSGVHYTPQ QNGLKTTRVS ITDLLAHTNY TFEI WAVNGV
SKYNPSPDQS VSVTVTTNQA APSSIALVQA KEVTRYSVAL AWLEPDRPNG VILEYEVKYY EKDQNERSYR IVRTAARNTD
IKGLNPLTSY VFHVRARTAA GYGDFSEPLE VTTNTVPSRI IGDGANSTLE HHHHHH

General References

Borgius L., et al. (2014) J. Neurosci. 34:3841-3853.
Steinecke A., et al. (2014) Development 141:460-471.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)