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

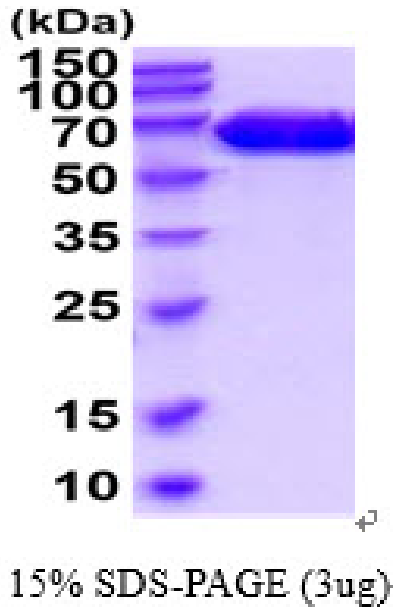
VTGSRVYPAN EVTLLDSRSV QGELGWIASP LEGGWEEVSI MDEKNTPIRT YQVCNVMEAS QNNWLRTDWI TREGAQRVYI EIKFTLRDCN SLPGVMGTCK ETFNLYYYES DNDKERFIRE SQFGKIDTIA ADESFTQVDI GDRIMKLNTE IRDVGPLSKK GFYLAFQDVG ACIALVSVRV FYKKCPLTVR NLAQFPDTIT GADTSSLVEV RGSCVNNSEE KDVPKMYCGA DGEWLVPIGN CLCNAGHEEQ NGECQACKIG YYKALSTDAS CAKCPPHSYS VWEGATSCTC DRGFFRADND AASMPCTRPP SAPLNLISNV NETSVNLEWS SPQNTGGRQD ISYNVVCKKC GAGDPSKCRP CGSGVHYTPQ QNGLKTTRVS ITDLLAHTNY TFEIWAVNGV 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



15% SDS-PAGE (3ug)

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