

Recombinant mouse EphB4 protein

Catalog Number: ATGP3415

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

16-539aa

UniProt No.

P54761

NCBI Accession No.

NP_034274

Alternative Names

EPH receptor B4, Ephrin type-B receptor 4, Developmental kinase 2, mDK-2, Hepatoma transmembrane kinase, Tyrosine kinase MYK-1, Htk, Mdk2, Tyro11

PRODUCT SPECIFICATION

Molecular Weight

58.7 kDa (532aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 85% 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

Ephb4, also known as ephrin type-B receptor 4 isoform b, is a member of the Eph receptor tyrosine kinase family shown to act in neuronal guidance and mediate venal/arterial separation. Ephb4 provides survival advantage to squamous cell carcinoma of the head and neck. It has tumor suppressor activities and that regulation of cell

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proliferation, extracellular matrix remodeling, and invasive potential are important mechanisms of tumor suppression. Recombinant mouse Ephb4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

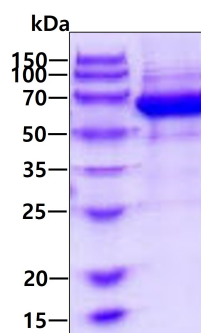
LEETLLNTKL ETADLKWVTY PQAEGQWEEL SGLDEEQHSV RTYEVCDMKR PGGQAHWLRT GWVPRRGAVH
 VYATIRFTMM ECLSLPRASR SCKETFTVFY YESEADTATA HTPAWMENPY IKVDTVAAEH LTRKRPGAEA TGKVNITLR
 LGPLSKAGFY LAFQDQGACM ALLSLHLFYK KCSWLITNLT YFPETVPREL VVPVAGSCVA NAVPTANPSP SLYCREDGQW
 AEQQVTGCSC APGYEAAESN KVCRCAGQGT FKPQIGDESC LPCPANSNHN NIGSPVCLCR IGYRRARSDP RSSPCTTPPS
 APRSVVHHLN GSTLRLEWSA PLESGGREDL TYAVRCRECR PGGSCLP CGG DMTFDPGPRD LVEPWVAIRG LRPDVTYTFE
 VAALNGVSTL ATGPPPFEPV NVTTDREVPP AVSDIRVTRS SPSSLILSWA IPRAPSGAVL DYEVKYHEKG AEGPSSVRFL
 KTSNRAELR GLKRGASYLV QVRARSEAGY GPFQGEHHSQ TQLDESESWR EQLA<VEHHHH HH>

General References

Xiao Z. et al., (2012) Cancer Biol Ther. 13:630-637.
 Masood R. et al., (2006) Int J Cancer. 119:1236-1248.
 Dopeso H. et al., (2009) Cancer Res. 69:7430-7438.

DATA

SDS-PAGE



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