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

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

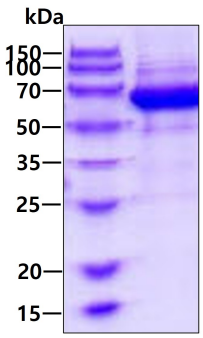
LEETLLNTKL ETADLKWVTY PQAEGQWEEL SGLDEEQHSV RTYEVCDMKR PGGQAHWLRT GWVPRRGAVH VYATIRFTMM ECLSLPRASR SCKETFTVFY YESEADTATA HTPAWMENPY IKVDTVAAEH LTRKRPGAEA TGKVNIKTLR LGPLSKAGFY LAFQDQGACM ALLSLHLFYK KCSWLITNLT YFPETVPREL VVPVAGSCVA NAVPTANPSP SLYCREDGQW AEQQVTGCSC APGYEAAESN KVCRACGQGT FKPQIGDESC LPCPANSHSN NIGSPVCLCR IGYYRARSDP RSSPCTTPPS APRSVVHHLN GSTLRLEWSA PLESGGREDL TYAVRCRECR PGGSCLPCGG DMTFDPGPRD LVEPWVAIRG LRPDVTYTFE VAALNGVSTL ATGPPPFEPV NVTTDREVPP AVSDIRVTRS SPSSLILSWA IPRAPSGAVL DYEVKYHEKG AEGPSSVRFL KTSENRAELR GLKRGASYLV QVRARSEAGY GPFGQEHHSQ 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.