Recombinant mouse Tyro3/Dtk protein

Catalog Number: ATGP3911

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
31-419aa

UniProt No.
P55144

NCBI Accession No.
NP_062265

Alternative Names
Tyro3, AI323366, Brt, Dtk, Etk-2, etk2/tyro3, Rse, Sky, Tif, tk19-1, Tyrosine-protein kinasereceptor TYRO3, Etk2/tyro3, Tyrosine-protein kinase DTK, Tyrosine-protein kinase RSE,Tyrosine-protein kinase TIF

PRODUCT SPECIFICATION

Molecular Weight
68.9 kDa (628aa)

Concentration
0.25mg/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
hIgG-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
Tyro3, also known as tyrosine-protein kinase receptor TYRO3 isoform A, is one of the receptor tyrosinekinase subfamily. It transduces signals from the extracellular matrix into the cytoplasm by binding to severalligands including TULP1 or GAS6. This protein regulates many physiological processes including cellsurvival, migration

Recombinant mouse Tyro3/Dtk protein

Catalog Number: ATGP3911

and differentiation. It activates the AKT survival pathway, including nuclear translocation of NF-kappa-B and up-regulation of transcription of NF-kappa-B-regulated genes. This protein plays a role invarious processes such as neuron protection from excitotoxic injury, platelet aggregation and cytoskeletonreorganization. Recombinant mouse Tyro3, fused to hIgG-His-tag at C-terminus, was expressed in insect celland purified by using conventional chromatography techniques.

Amino acid Sequence

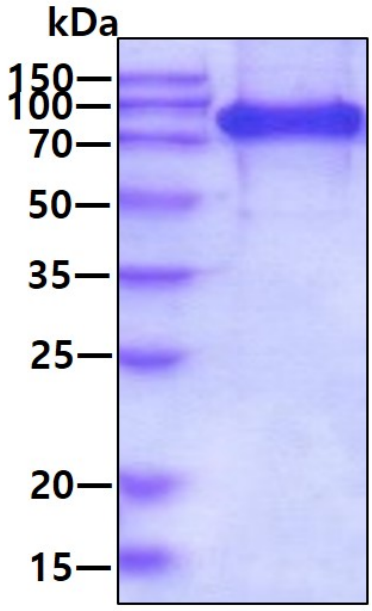
AGLKLMGAPV KMTVSQGQPV KLNCSVEGME DPDIHWMKDG TVVQNASQVS ISISEHSWIG LLSLKSVERS DAGLYWCQVK DGEETKISQS VWLTVEGVPF FTVEPKDLAV PPNAPFQLSC EAVGPPEPVT IYWWRGLTKV GGPAPSPSVL NVTGVTQRTE FSCEARNIKG LATSRPAIVR LQAPPAAPFN TTVTTISSYN ASVAWVPGAD GLALLHSCTV QVAHAPGEWE ALAVVVPVPP FTCLLRNLAP ATNYSLRVRC ANALGPSPYG DWVPFQTKGL APARAPQNFH AIRTDSGLIL EWEEVIPEDP GEGPLGPYKL SWVQENGTQD ELMVEGTRAN LTDWDPQKDL ILRVCASNAI GDGPWSQPLV VSSHDHAGRQ GPPHSRTSW<L EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKHHHHHH>

General References

Shao H., et al. (2017) Biochem Biophys Res Commun. 490:1074-1079.
Blades F., et al. (2018) Glia. 66:2209-2220.

DATA

SDS-PAGE



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