

Recombinant Mouse Tyro3 protein,hIgG&His-tagged

Cat. No. Tyro3-23M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tyro3 protein,hIgG&His-tagged,expressed in Baculovirus.
Species	Mouse
Source	Insect cells
ProteinLength	31-419 aa
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 and differentiation. It activates the AKT survival pathway, including nuclear translocation of NF-kappa-B and upregulation 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.
Source	Insect cells
Species	Mouse
Tag	hIgG&His

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Molecular Mass	68.9 kDa
AA Sequence	AGLKLMGAPV KMTVSQGQPV KLNCSVEGME DPDIHWMKDG TVVQNASQVS ISISEHSWIG LLSLKSVRS DAGLYWCQVK DGEETKISQS VWLTVEGVPF FTVEPKDLAV PPNAPFQLSC EAVGPPEPVT IYWWRGLTKV GGPAPSPSVL NVTGVTQRTE FSCEARNIKG LATSIPAIVR LQAPPAAPFN TTVTTISSYN ASVAWVPGAD GLALLHSCTV QVAHAPGEWE ALAVVVPVPP FTCLLRNLAP ATNYSRLVRC ANALGPSYGY DWVPFQTKGL APARAPQNFH AIRTDSGLIL EWEEVIPEDP GEGPLGPYKL SWVQENGTDQ ELMVEGTRAN LTDWDPQKDL ILRVCASNAI GDGPWSQPLV VSSHDHAGRQ GPPHSRTSW EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGDSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTKSLSLSP GKHHHHHHH
Purity	> 95% by SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	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.
Concentration	0.25mg/ml (determined by absorbance at 280nm)
Storage Buffer	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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References

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

GENE INFORMATION

Gene Name Tyro3 TYRO3 protein tyrosine kinase 3 [Mus musculus (house mouse)]

Official Symbol Tyro3

Synonyms

Tyro3, Al323366, 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

Gene ID 22174

mRNA Refseq NM_019392

Protein Refseq NP_062265

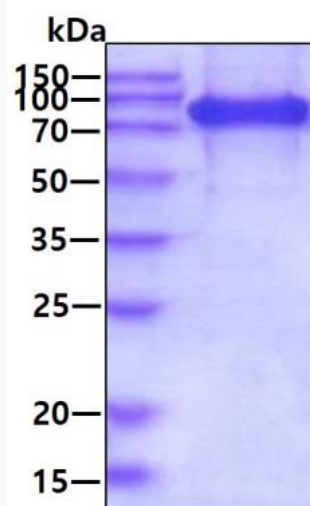
UniProt ID P55144

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



SDS-PAGE

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