

Datasheet for ABIN7596153

EPH Receptor A3 Protein (EPHA3) (AA 21-541) (His tag)



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Overview

Quantity:	500 µg
Target:	EPH Receptor A3 (EPHA3)
Protein Characteristics:	AA 21-541
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor A3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	ELSPQPSNEV NLLDSKTIQG ELGWISYPSH GWEEISGVDE HYTPIRTYQV CNVMDHSQNN WLRTNWWPRN SAQKIYVELK FTLRDCNSIP LVLGTCKETF NLYYMESDDD HGVKFRHQF TKIDTIAADE SFTQMDLGDR ILKLNTEIRE VGPVNKKGFY LAFQDVGACV ALVSVRVYFK KCPFTVKNLA MFPDTPMDS QSLVEVRGSC VNNSKEEDPP RMYCSTEGEW LVPIGKCTCN AGYEERGFIC QACRPGFYKA SDGAAKCAKC PPHSSTQEDG SMNCRCENNY FRAEKDPPSM ACTRPPSAPR NVISNINETS VILDWSWPLD TGGRKDITFN IICKKCGWNV RQCEPCSPNV RFLPRQLGLT NTTVTVDLL AHTNYTFEID AVNGVSELSS PPRQYAAVSI TTNQAAPSPV MTIKKDRTSR NSISLSWQEP EHPNGIILDY EVKYYEKQEQ ETSYILRAR GTNVTISLTK PDDTYVFQIR ARTAAGYGTN SRKFEFETSP DSFSISGENS H
Purity:	> 95% by SDS-PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by its binding ability in a functional ELISA with Human EFNA5 (CAT# ATGP4147).

Target Details

Target:	EPH Receptor A3 (EPHA3)
Alternative Name:	EphA3 (EPHA3 Products)
Background:	EphA3 is a protein-tyrosine kinase that belongs to the ephrin receptor subfamily. It has an extracellular region with a Cys-rich domain and two fibronectin type III repeats, and a single kinase domain. EPH and other EPH-related receptors are involved in various developmental processes, especially in the nervous system. EphA3 interacts with EFNB2 and EFNA5, and is expressed in the forebrain, retinal axons, some motor neurons in the spinal cord, and the heart during development. It regulates axonal guidance and organ formation. It is also found on some blood and solid tumor cells, and on astrocytes near injured nerve tissue. Recombinant mouse EphA3, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Molecular Weight:	59.5kDa (527aa)
NCBI Accession:	NP_034270
Pathways:	RTK Signaling, Regulation of Cell Size

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.