
Product Data Sheet

Product Name: EPHA4 Mouse

Cat. No.: GP23409

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Ephrin type-A receptor 4; Epha4; Tyrosine-protein kinase receptor MPK-3; Tyrosine-protein kinase receptor SEK-1; Sek; Sek1; EPHA4; EPH Receptor A4.

Amino Acid Sequence

VTGSRVYPAN EVTLDSRSV QGELGWIASP LEGGWEEVSI MDEKNTPIRT
 YQVCNVMEAS QNNWLRDWDI TREGAQRVYI EIKFTLRDCN SLPGVMGTCK
 ETFNLYYYES DNDKERFIRE SQFGKIDTIA ADESFTQVDI GDRIMKLNTE
 IRDVGPLSKK GFYLAQDVG ACIALVSVRV FYKKCPLTVR NLAQFPDIT
 GADTSSLVEV RGSCVNNSEE KDVPKMYCGA DGEWLVPIGN CLCNAGHEEQ
 NGECQACKIG YYKALSTDAS CAKCPPHSYS VWEGATSCTC DRGFFRADND
 AASMPCTRPP SAPLNLSNV NETSVNLEWS SPQNTGGRQD ISYNNVCKKC
 GAGDPSKCRP CGSGVHYTPQ QNGLKTTRVS ITDLLAHTNY TFEIWA VNGV
 SKYNPSPDQS VSVTVTTNQA APSSIALVQA KEVTRYSVAL AWLEPDRPNG
 VILEYEVKYY EKDQNSYR IVRTAARNTD IKGLNPLTSY VFHVRARTAA
 GYGDFSEPLE VTTNTVPSRI IGDGANSTLE HHHHHH.

Formulation The EPHA4 solution (0.5mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Introduction

EPHReceptor A4 (Epha4), is a single-pass type 1 membrane protein which is a part of the protein kinase superfamily and ephrin receptor subfamily. Epha4 is a receptor tyrosine kinase which binds membrane-bound ephrin family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling in neighboring cells mainly in the nervous system and in erythropoiesis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

EPHA4 Mouse Recombinant produced in Sf9 Baculovirus cells is a single polypeptide chain containing 536 amino acids (20-547) and having a molecular mass of 59.3kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70KDa). EPHA4 is fused to 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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