
Product Data Sheet

Product Name: EPHA2 Human, sf9

Cat. No.: GP23407

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EPHA2; ARCC2; CTPA; CTPP1; CTRCT6; ECK; EPHA2; sf9; EPH Receptor A2; sf9; Ephrin type-A receptor 2.		
Amino Acid Sequence	ADPKEVVLLD FAAAGGELGW LTHPYGKGWD LMQNIMNDMP IYMYSVCNVM SGDQDNWLRT NWVYRGEAER IFIELKFTVR DCNSFPGGAS SCKETFNLYY AESDLDYGTN FQKRLFTKID TIAPDEITVS SDFEARHVKL NVEERSVGPL TRKGFYLAFQ DIGACVALLS VRVYYKKCPE LLQGLAHFPE TIAGSDAPSL ATVAGTCVDH AVVPPGGEEP RMHCAVDGEW LVPIGQCLCQ AGYEKVEDAC QACSPGFFKF EASESPCLEC PEHTLPSPEG ATSCECEEGF FRAPQDPASM PCTRPPSAPH YLTAVGMGAK VELRWTPPQD SGGREDIVYS VTCEQCWPES GECGPCEASV RYSEPPHGLT RTSVTVSDLE PHMNYTFTVE ARNGVSGLVT SRSFRTASVS INQTEPPKVR LEGRSTTSLV VSWSIPPPQQ SRVWKYEVTY RKKGDSNSYN VRRTEGFSVT LDDLAPDTTY LVQVQALTQE GQGAGSKVHE FQTLSPGSG NLAVHHHHHH.		
Formulation	EPHA2 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

EPH Receptor A2 (EPHA2) is a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. EPHA2 is a protein which binds ephrin-A ligands. EPH and EPH-related receptors are associated with mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily normally have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into two groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. EPHA2 gene mutations are the cause of certain genetically-related cataract

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

disorders.

Stability

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

EPHA2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 520 amino acids (27-537) and having a molecular mass of 57.3kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). EPHA2 is fused to 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA