

EPH Receptor A2 Human Recombinant

Item Number	rAP-3223
Synonyms	EPHA2, EPH Receptor A2, ECK, Tyrosine-Protein Kinase Receptor ECK, EC 2.7.10.1, CTRCT6, ARCC2, CTPP1, CTPA, Epithelial Cell Receptor Protein Tyrosine Kinase, Ephrin Type-A Receptor 2, Soluble EPHA2 Variant 1, Epithelial Cell Kinase, EC 2.7.10, EphA2.
Description	EPHA2 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Ala24-Glu530) containing a total of 515 amino acids, having a calculated molecular mass of 56.9kDa. The EPHA2 protein is fused to a 2 aa C-terminal linker and a 6 aa C-terminal His tag.
Uniprot Accession Number	P29317
Amino Acid Sequence	AQGKEVVLLD FAAAGGELGW LTHPYGKGWD LMQNIMNDMP IYMYSVCNVM SGDQDNWLRT NWVYR- GAEAR IFIELKFTVR DCNSFPGGAS SKETFNLYY AESDLDYGTN FQKRLFTKID TIAPDEITVS SDFEARHVKL NVEERSVGPL TRKGFYLAQ DIGACVALLS VRVYKKCPE LLQGLAHFPE TI- AGSDAPSL ATVAGTCVDH AVVPPGGEEP RMHCAVDGEW LVPIGQCLCQ AGYEKVEDAC QACSPGFFKF EASESPCLEC PEHTLPSPEG ATSCECEEGF FRAPQDPASM PCTRPPSAPH YLTAVGM- GAK VELRWTPPDQ SGGREDIVYS VTCEQCWPES GECGPCEASV RYSEPPHGLT RTSVTVSDLE
Source	HEK 293.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	EPHA2 was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline and 5% (w/v) trehalose. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. EPHA2 is not sterile! Please filter the product by an appropriate sterile filter before using
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**