

Human EPHA2 Protein; His Tag

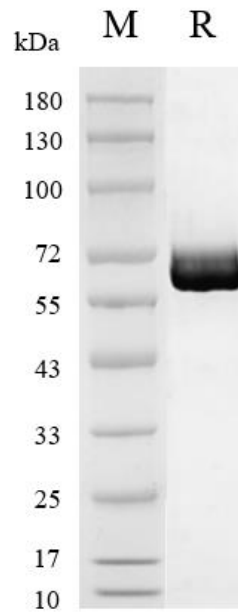
Product Information

Product Name	Human EPHA2 Protein; His Tag
Storage temp.	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-87625RP-100 / 100 μg GM-87625RP-1000 / 1 mg

Protein Information

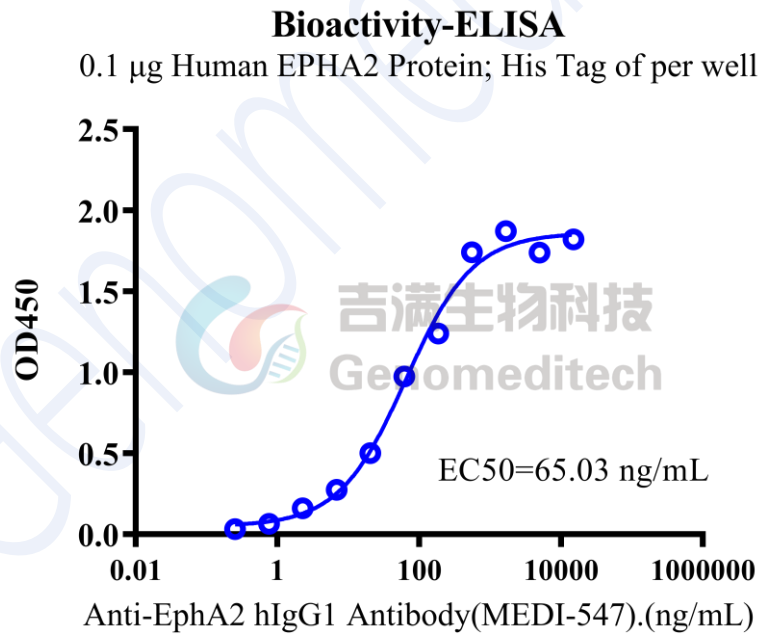
Alternative Names	EphA2, EPH receptor A2, ARCC2, CTPA, CTPP1, CTRCT6, ECK
Source	Human EPHA2 Protein; His Tag (GM-87625RP) is expressed from human 293 cells (HEK-293). It contains AA Ala24-Asn534 (Accession # P29317). This protein carries a His tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	56.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.4.
Description	<p>EphA2 protein (Ephrin type-A receptor 2) is a receptor tyrosine kinase belonging to the Eph receptor family. This protein plays an important role in cell adhesion, cell migration, cell proliferation, and cell-cell communication by interacting with its ligands, ephrin-A molecules, between cells and cell-cell interactions.</p> <p>EphA2 protein is involved in important processes during development, including neuronal migration, synapse formation, and cell-cell interactions. In adult cells, EphA2 protein is widely recognized to be closely associated with the occurrence and progression of cancer. It can regulate the proliferation, invasion, and metastasis of tumor cells, promote angiogenesis, and thus impact tumor growth and malignant transformation.</p> <p>Abnormal expression of EphA2 protein is closely related to the occurrence and development of various tumors, such as breast cancer, lung cancer, and prostate cancer. Therefore, studying the role of EphA2 protein in cancer, exploring its potential as a therapeutic target for cancer treatment, has become a hot topic in cancer research field.</p>

SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Human EPHA2 Protein; His Tag (Catalog # GM-87625RP) was immobilized at 1 μ g/ml (100 μ L/well).
Increasing concentrations of Anti-EphA2 hIgG1 Antibody(MEDI-547) (Catalog # GM-87695AB) were added.