Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
Toll-free: 400 627 9288
Email: service@genomeditech.com

Human EPHA2 Protein; hFc Tag

Product Information

Product Name	Human EPHA2 Protein; hFc Tag
Storage temp	Store at ≤ -70℃, 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-88658RP-100 / 100 μg** **GM-88658RP-1000 / 1 mg**

Protein Information

Alternative Names	EphA2
Source	Human EPHA2 Protein; hFc Tag (GM-88658RP) is expressed from human 293 cells (HEK-293). It contains AA Ala 24 - Asn 534 (Accession # P29317). This protein carries a hFc 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	82.1 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	EPHA2 protein, full name Ephrin Type-A Receptor 2, is an important cell membrane receptor protein and a member of the erythropoietin-producing hepatocellular carcinoma (Eph) receptor tyrosine kinase family. EPHA2 protein plays a crucial role in regulating cell adhesion, migration, proliferation, and tissue boundary formation during embryonic development and normal physiological processes. Currently, several EPHA2-targeted therapeutic strategies are under preclinical or clinical investigation, including small-molecule tyrosine kinase inhibitors (such as Almonertinib in some contexts), monoclonal antibodies, antibody-drug conjugates (ADCs), and chimeric antigen receptor T-cell (CAR-T) therapies. These agents aim to inhibit the activation of the EPHA2 signaling pathway or selectively deliver cytotoxic payloads to EPHA2-overexpressing tumor cells, thereby suppressing tumor growth and potentially improving patient outcomes. Combination approaches with other targeted therapies or immunotherapies are also being actively explored. In summary, EPHA2 protein plays a critical role in tumor progression and metastasis, and is of great significance for understanding the molecular mechanisms of tumor invasion, developing novel targeted therapeutic strategies, and evaluating patient prognosis, particularly in aggressive and metastatic cancers.

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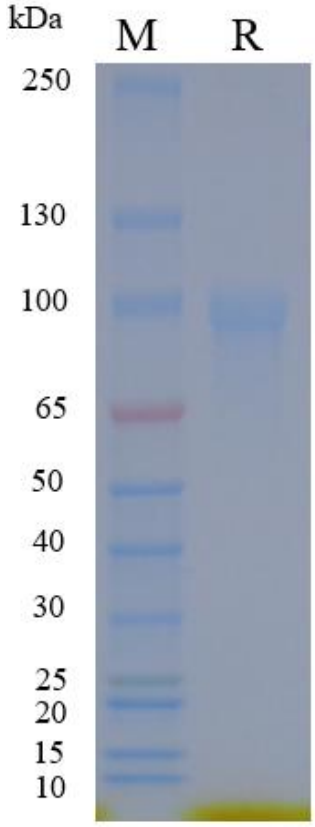
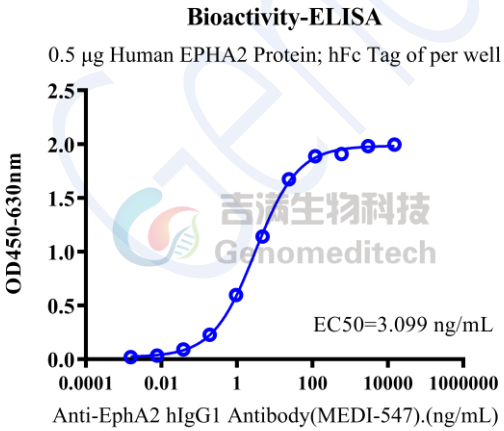
SDS-PAGE



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; hFc Tag (Catalog # GM-88658RP) was immobilized at 5 μg/ml (100 μL/well). Increasing concentrations of Anti-EphA2 hIgG1 Antibody (MEDI-547) (Catalog # GM-87695AB) were added.

Version:4.0