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Recombinant Human EPHB2 Protein

Catalog No.: RP02657 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2048	P29323-1

Tags
C-His

Synonyms
DRT; ERK; HEK5; TYRO5; CAPB; EK5; EPHT3; PCBC; Cek5; EphB2; EPHT3MGC87492; Nuk; Qek2; Sek3

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
59.2 kDa	65-75 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

EphB2, a receptor tyrosine kinase for ephrin ligands, is overexpressed in various cancers and plays an important role in tumor progression. EPHB2 promotes endothelial-mesenchymal transition (EMT) and elicits associated pathologic characteristics of glioblastoma multiforme (GBM) such as invasion and migration. EPHB2 is epigenetically overexpressed in hypoxia, a condition highly prevalent in malignancy. Furthermore, HIF-2α is required for EPHB2 stabilization by hypoxia.

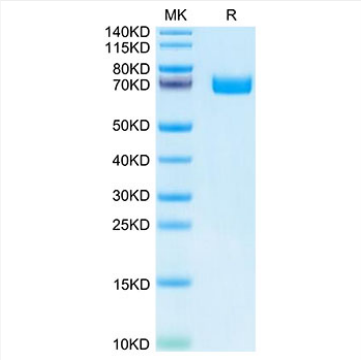
Basic Information

Description
Recombinant Human EPHB2 Protein is expressed from Expi293 with His tag at the C-terminal.□It contains Val19-Leu543.

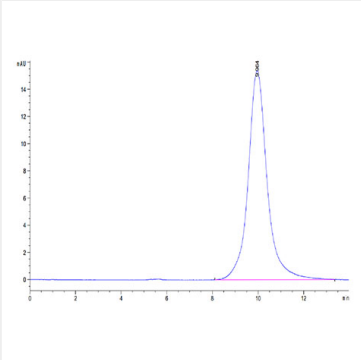
Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

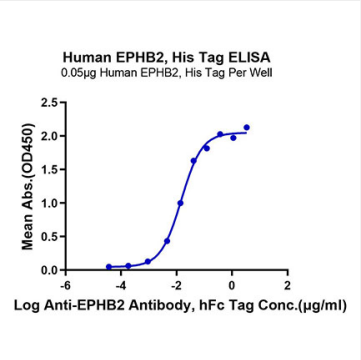
Validation Data



Recombinant Human EPHB2 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human EPHB2 is greater than 95% as determined by SEC-HPLC.



Immobilized Human EPHB2, His Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Anti-EPHB2 Antibody, hFc Tag with the EC_{50} of 14.9ng/ml determined by ELISA.