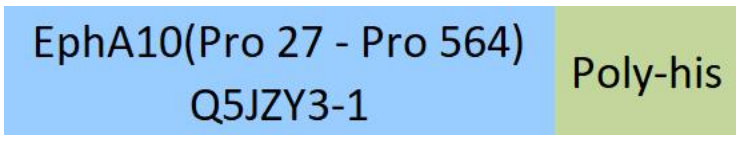
Synonym

Ephrin type-A receptor 10

Source

Human EphA10, His Tag(EP0-H52H3) is expressed from human 293 cells (HEK293). It contains AA Pro 27 - Pro 564 (Accession # Q5JZY3-1).
Predicted N-terminus: Pro 27

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 60.2 kDa. The protein migrates as 65-75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

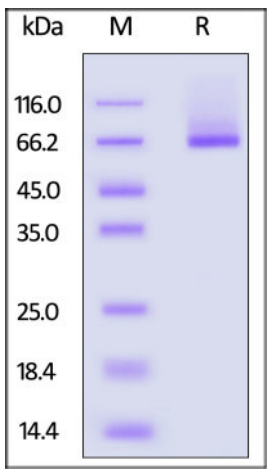
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

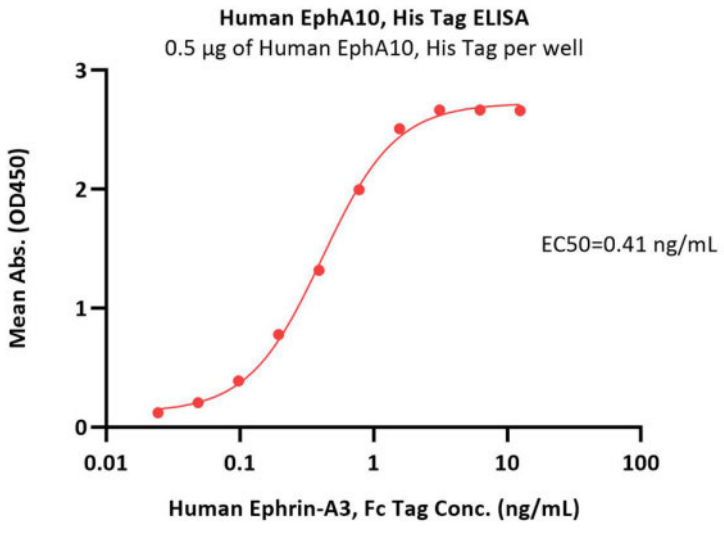
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

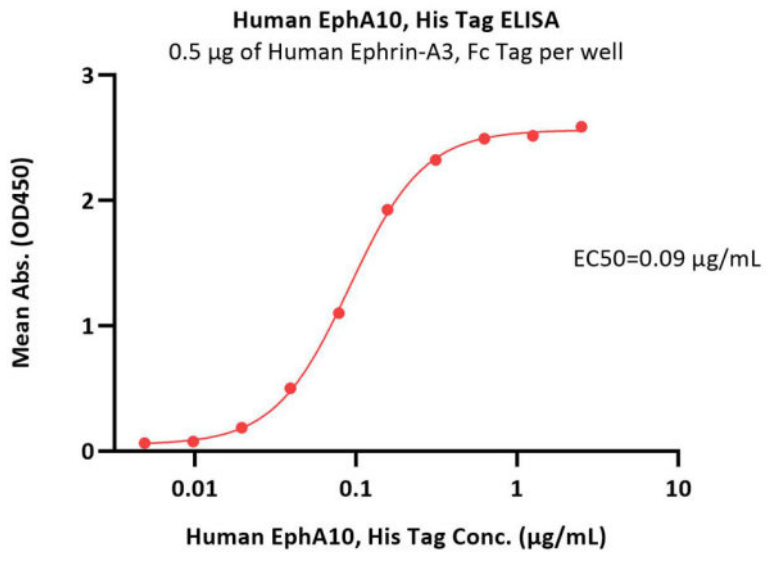


Human EphA10, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Immobilized Human EphA10, His Tag (Cat. No. EP0-H52H3) at 5 μg/mL (100 μL/well) can bind Human Ephrin-A3, Fc Tag (Cat. No. EA3-H5258) with a linear range of 0.1-2 ng/mL (QC tested).



Immobilized Human Ephrin-A3, Fc Tag (Cat. No. EA3-H5258) at 5 μg/mL (100 μL/well) can bind Human EphA10, His Tag (Cat. No. EP0-H52H3) with a linear range of 0.005-0.313 μg/mL (Routinely tested).

Background

At present, the proportion of breast cancer, cervical cancer and ovarian cancer in the occurrence of tumors that cause women's death has remained high. EPHA10 belongs to the EPH family, which is the largest known tyrosine kinase family, with 16 members. These members play a normal physiological function after interacting with their ligand Ephrin, and have been studied in sugar metabolism, new tissue construction, angiogenesis and other aspects. EPHA10 gene is located in 1p34 and mainly expressed in testis.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.