Recombinant EPHAA protein (His tag)

Catalog Number	545136
Species	Human
Expression System	E. coli
Accession	Q5JZY3
Molecular Weight	Predictes a molecular mass of 44.22 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	619-1008
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 619-1008 aa (Q5JZY3) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Ephrin type-A receptor 10 (EPHA10) fragment (aa 619-1008), encompassing the complete Protein kinase and SAM domains. This high-purity protein is ideal for investigating receptor tyrosine kinase signaling, domain-specific interactions, and ephrin-mediated cellular processes in research applications. Ephrin type-A receptor 10 (EPHA10) functions as a receptor for ephrin-A family ligands, specifically binding EFNA3, EFNA4, and EFNA5. As a receptor tyrosine kinase (EC 2.7.10.1), it plays crucial roles in cell signaling pathways involved in development and cellular communication. The full-length protein exhibits multiple isoforms with distinct subcellular localizations: isoform 1 and isoform 3 are single-pass type I membrane proteins localized to the cell membrane, while isoform 2 is secreted. This receptor is part of the larger Eph receptor family, which mediates contact-dependent cell-cell communication through interactions with membrane-bound ephrin ligands.