Recombinant EFNA3 protein (His tag)

Catalog Number	540043
Synonyms	EFL-2; EHK1 ligand; EHK1-L; EPH-related receptor tyrosine kinase ligand 3; LERK-3
Species	Human
Expression System	E. coli
Accession	P52797
Molecular Weight	Predictes a molecular mass of 18.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	23-169
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 23-169 aa (P52797) 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-A3 (EFL-2) Fragment (23-169) is a high-purity protein designed for studying Eph receptor interactions. This fragment fully encompasses the Ephrin RBD domain, making it an ideal tool for investigating neuronal, vascular, and epithelial development mechanisms in research applications. Ephrin-A3 is a cell surface GPI-anchored ligand that binds promiscuously to Eph receptors, a family of receptor tyrosine kinases critical for migration, repulsion, and adhesion during development. Located on the cell membrane via a GPI-anchor, it facilitates contact-dependent bidirectional signaling: forward signaling through the Eph receptor and reverse signaling through the ephrin ligand. This bidirectional communication is essential for coordinating cellular responses in neighboring cells, underscoring its importance in developmental biology and potential therapeutic targeting.