

Recombinant Zebrafish Ephrin B2 (EFNB2), N-His

Cat. No.: AP7F414

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Zebrafish Ephrin B2 (EFNB2), N-His is a recombinant protein expressed from *E.coli* expression system. Its predicted molecular weight is 22.7 kDa. The purity is >95% (SDS-PAGE). The endotoxin level is <1 EU/µg (LAL). It can be used as a positive control or as an immunogen.

Specifications

Type	Recombinant Protein
Species	Aquaculture Species
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	<1 EU/µg (LAL)
Predicted Molecular Weight	22.7 kDa
Molecular Weight	23 kDa
Physical State	Lyophilized
Formulation	PBS, pH 7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Ephrin-B2a, encoded by the *efnb2a* gene in zebrafish, acts as a cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases essential for migration, repulsion, and adhesion during neuronal, vascular, and epithelial development. It engages in promiscuous binding with Eph receptors on adjacent cells, enabling contact-dependent bidirectional signaling among neighboring cells.

Protein	Zebrafish Ephrin B2 (EFNB2)
Protein Synonym	Ephrin B2; Efnb2
Gene ID	30219
UniProt ID	Q73874

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex. Aliquot the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.