

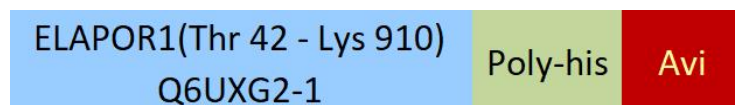
Synonym

ELAPOR1,Endosome-Lysosome Associated Apoptosis And Autophagy Regulator 1,EIG121,KIAA1324

Source

Biotinylated Human ELAPOR1, His,Avitag (EL1-H82E9) is expressed from human 293 cells (HEK293). It contains AA Thr 42 - Lys 910 (Accession # [Q6UXG2-1](#)).

Predicted N-terminus: Thr 42

Molecular Characterization

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 99.0 kDa. The protein migrates as 105-125 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Biotinylation

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Biotin:Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

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.

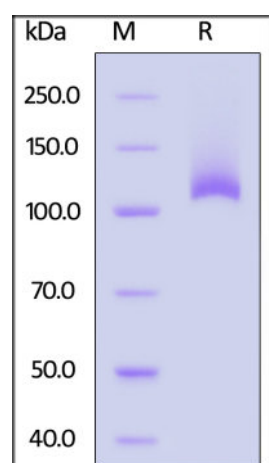
Storage

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

Biotinylated Human ELAPOR1, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

Endosome/lysosome-associated apoptosis and autophagy regulator (ELAPOR1), also known as EIG121 protein, is a type I transmembrane protein induced by estrogen. It is associated with the endosome-lysosome compartments and may play an important role in autophagy and cell proliferation. Under unfavorable

conditions such as starvation and exposure to cytotoxic agents, ELAPOR1 may protect cells from cell death by upregulating the autophagy pathway.

Clinical and Translational Updates

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