Data Sheet (Cat.No.TMPJ-01192)

TargetMol

ELAPOR1 Protein, Human, Recombinant (His)

General Information

Synonyms:	ELAPOR1,Endosome-Lysosome Associated Apoptosis And Autophagy Regulator 1,EIG121, KIAA1324
Protein Construction:	Thr42-Lys910
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q6UXG2
Molecular Weight:	100-135 KDa (reducing condition)
AA Sequence:	Thr42-Lys910

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Endosome/lysosome-associated apoptosis and autophagy regulator (ELAPOR1), also known as EIG121 protein, is a type I transmembrane protein induced by estrogen. The estrogen-induced gene 121 (EIG121) has been associated with breast and endometrial cancers,but its mechanism of action remains unknown.May protect cells from cell death by inducing cytosolic vacuolization and upregulating the autophagy pathway. That EIG121 is a good endometrial biomarker associated with a hyperestrogenic state and estrogen-related type I endometrial

adenocarcinoma.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481