

Recombinant Human DRP1 Protein (His Tag)

Catalog Number: PDEH101063

Note: Centrifuge before opening to ensure complete recovery of vial contents.

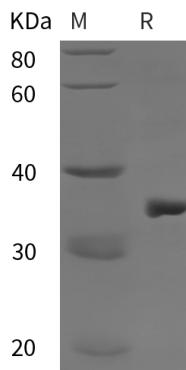
Description

| | |
|---------------|---|
| Species | Human |
| Source | E.coli-derived Human DRP1 protein Asn448-Trp736, with an N-terminal His |
| Calculated MW | 30.6 kDa |
| Observed MW | 35 kDa |
| Accession | O00429 |
| Bio-activity | Not validated for activity |

Properties

| | |
|----------------|---|
| Purity | > 95% as determined by reducing SDS-PAGE. |
| Endotoxin | < 10 EU/mg of the protein as determined by the LAL method |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis. |

Data



Background

Functions in mitochondrial and peroxisomal division. Mediates membrane fission through oligomerization into ring-like structures which wrap around the scission site to constrict and sever the mitochondrial membrane through a GTP hydrolysis-dependent mechanism. Required for normal brain development. Facilitates developmentally-regulated apoptosis during neural tube development. Required for a normal rate of cytochrome c release and caspase activation during apoptosis. Also required for mitochondrial fission during mitosis. May be involved in vesicle transport.

For Research Use Only

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017