

Recombinant Human PFN1 Protein(Sumo Tag)

Catalog Number: PDEH100522

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

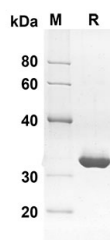
Description

| | |
|----------------------|---|
| Species | Human |
| Source | E.coli-derived Human PFN1 proteins Met1-Tyr140, with an N-terminal Sumo |
| Calculated MW | 28.3 kDa |
| Observed MW | 32 kDa |
| Accession | P07737 |
| Bio-activity | Not validated for activity |

Properties

| | |
|-----------------------|--|
| Purity | > 90% 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



SDS-PAGE analysis of Human PFN1 proteins, 2 µg/lane of Recombinant Human PFN1 proteins was resolved with an SDS-PAGE under reducing conditions, showing bands at 28.3KD

Background

This gene encodes a member of the profilin family of small actin-binding proteins. The encoded protein plays an important role in actin dynamics by regulating actin polymerization in response to extracellular signals. Deletion of this gene is associated with an Miller-Dieker syndrome, and the encoded protein may also play a role in Huntington disease. Multiple pseudogenes of this gene are located on chromosome 1.

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