Recombinant Mouse HSP-70/HSPA9 Protein (His Tag)

Catalog Number: PDEM100248

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

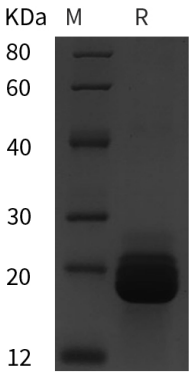
Description

Species	Mouse
Source	E.coli-derived Mouse HSP-70 protein Glu542-Gln679, with an N-terminal His
Calculated MW	15.1 kDa
Observed MW	20 kDa
Accession	P38647
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



SDS-PAGE analysis of Mouse HSP-70/HSPA9 proteins, 2 μg/lane of Recombinant Mouse HSP-70/HSPA9 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 20 kDa.

Background

Chaperone protein which plays an important role in mitochondrial iron-sulfur cluster (ISC) biogenesis. Interacts with and stabilizes ISC cluster assembly proteins FXN, NFU1, NFS1 and ISCU.Regulates erythropoiesis via stabilization of ISC assembly.May play a role in the control of cell proliferation and cellular aging.

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
Email: techsupport@elabscience.com
Fax: 1-832-243-6017