Recombinant Mouse ABL1/c-Abl Protein (His Tag)

Catalog Number: PDEM100288

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

Description

Species	Mouse
Source	E.coli-derived Mouse ABL1 protein Met1-Asn193, with an N-terminal His
Calculated MW	21.1 kDa
Observed MW	25 kDa
Accession	P00520
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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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
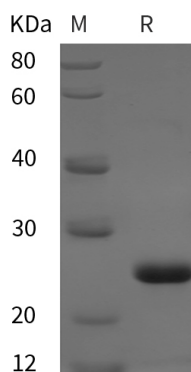
SDS-PAGE analysis of Mouse ABL1/c-Abl proteins, 2 μg/lane of Recombinant Mouse ABL1/c-Abl proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 25 kDa.

Background

Protein kinase that regulates key processes linked to cell growth and survival. Regulates cytoskeleton remodeling during cell differentiation, cell division and cell adhesion. Localizes to dynamic actin structures, and phosphorylates CRK and CRKL, DOK1, and other proteins controlling cytoskeleton dynamics. Regulates DNA repair potentially by activating the proapoptotic pathway when the DNA damage is too severe to be repaired. Phosphorylates PSMA7 that leads to an inhibition of proteasomal activity and cell cycle transition blocks.

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