

Recombinant *Danio rerio* Beta-actin/ACTB protein (His Tag)



Catalog Number:PDEO100003

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

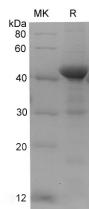
Description

Synonyms	A26C1A;A26C1B;ACTBB;ACTB;Actin beta;Actin cytoplasmic 1;Actin;cytoplasmic 1;N-terminally processed;Actx; β actin;Beta cytoskeletal actin;Beta-actin;BRWS1;E430023M04Rik;MGC128179;PS1TP5 binding protein 1;PS1TP5BP1
Species	<i>Danio rerio</i>
Expression Host	<i>E.coli</i>
Sequence	Met1-Phe375
Accession	Q7ZVF9
Calculated Molecular Weight	43.1 kDa
Observed molecular weight	42-48 kDa
Tag	N-His
Bioactivity	Immunogen(D-AB-10282L)

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
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 sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells. Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction. In addition to their role in the cytoplasmic cytoskeleton, G- and F-actin also localize in the nucleus, and regulate gene transcription and motility and repair of damaged DNA.

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