

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



Catalog Number:PDEO100003

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

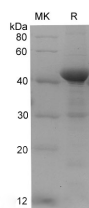
## Description

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

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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.
<b>Reconstitution</b>	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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