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Datasheet for ABIN7505455
beta Actin Protein (AA 1-375) (His tag)

Overview

Quantity:	100 µg
Target:	beta Actin (ACTB)
Protein Characteristics:	AA 1-375
Origin:	Zebrafish (Danio rerio)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This beta Actin protein is labelled with His tag.

Product Details

Sequence:	Met1-Phe375
Characteristics:	A DNA sequence encoding the Danio rerio Beta-actin/ACTB (Q7ZVF9) (1M-375F) was expressed with a polyhistidine tag at the N-terminus.
Purity:	>90 % as determined by reducing SDS-PAGE.

Target Details

Target:	beta Actin (ACTB)
Alternative Name:	Beta-actin (ACTB Products)
Background:	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

Target Details

in the nucleus, and regulate gene transcription and motility and repair of damaged DNA.

Synonym: 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

Molecular Weight: 43.1 kDa

UniProt: [Q7ZVF9](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Cell-Cell Junction Organization](#), [Maintenance of Protein Location](#), [Phototransduction](#)

Application Details

Comment: used as Immunogen for (ABIN6999909, ABIN7234259, ABIN7234260 and ABIN7234261)

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months