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32-8041: Recombinant Human beta-Actin/ACTB (C-6His)

Gene : ACTB
Gene ID : 60
Uniprot ID : P60709

Description

Source: E.coli.
MW :42.8kD.
Recombinant Human beta-Actin is produced by our E.coli expression system and the target gene encoding Asp2-Phe375 is expressed with a 6His tag at the C-terminus. Actins are ubiquitous globular and highly conserved proteins that are involved in various types of cell motility, structure, and integrity. Three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. ACTB is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. Polymerization of globular actin (G-actin) leads to a structural filament (F-actin) in the form of a two-stranded helix. Each actin can bind to 4 others.

Product Info

Amount : 10 µg / 50 µg
Purification : Greater than 90% as determined by reducing SDS-PAGE.
Content : Supplied as a 0.2 µm filtered solution of 10mM TrisHCl, 0.1% TritonX-100, 2mM DTT, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : DDDIAALVVDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDSYVGDEAQSKRGILTLKYPIEH GIVTNWDDMEKIWHHTFYNELRVAPEEHPVLLTEAPLNPKANREKMTQIMFETFNTPAMYVAIQAVLSLYASGR TTGIVMDSGDGVTHTVPIYEGYALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVRDIKEKLCYVALDFE QEMATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQPSFLGMESCGIHETTFNSIMKCDVDIRKDLYANTVLS GGTTMYPGIADRMQKEITALAPSTMKIKIIAPPERKYSVWIGGSILASLSTFQQMWISKQEYDESGPSIVHRKCFL EHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/ug (1 EU/ug) as determined by LAL test.

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For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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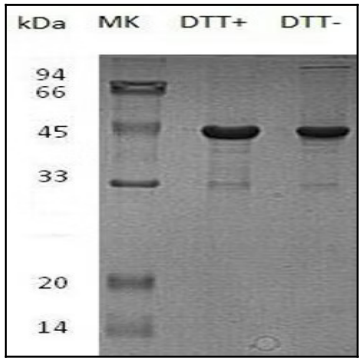


Figure 1: Recombinant Human beta-Actin is produced by our E.coli expression system and the target gene encoding Asp2-Phe375 is expressed with a 6His tag at the C-terminus.

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