

Recombinant Human Tropomyosin 2 protein ab103503

画像数 1

製品の詳細

製品名	Recombinant Human Tropomyosin 2 protein
精製度	> 90 % SDS-PAGE. ab103503 was purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.
発現系	Escherichia coli
アクセッション番号	<u>P07951-2</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MGSSHHHHHSSGLVPRGSHMDAIKKKMQMLKLDKENAID</p> <p>RAEQAEADKK</p> <p>QAEDRCKQLEEEQALQKKLKGTEDEVEKYSSESVKEAQEKLE</p> <p>QAEKKATD</p> <p>AEADVASLNRRRIQLVEEELDRAQERLATALQKLEEAKEAADE</p> <p>SERGMKVI</p> <p>ENRAMKDEEKMELQEMQLKEAKHIAEDSDRKYE EVARKLVIL</p> <p>EGELERSE</p> <p>ERAEVAESRARQLEEEELRTMDQALKSLMASEEEYSTKEDKYE</p> <p>EEIKLLEE</p> <p>KLKEAETRAEFAERSVAKLEKTIDDL EETLASAKEENVEIHQ</p> <p>TLDQTLLE LNNL</p>
予測される分子量	35 kDa including tags
領域	1 to 284
タグ	His tag N-Terminus

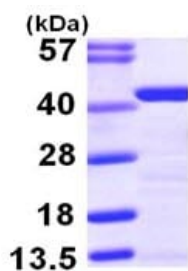
特性

Our **Abpromise guarantee** covers the use of **ab103503** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE
	Mass Spectrometry

質量分析	MALDI-TOF
製品の状態	Liquid
前処理および保存	
保存方法および安定性	<p>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</p> <p>pH: 8.00</p> <p>Constituents: 0.0154% DTT, 0.316% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride</p>
関連情報	
機能	Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments. The non-muscle isoform may have a role in agonist-mediated receptor internalization.
組織特異性	Present in primary breast cancer tissue, absent from normal breast tissue.
関連疾患	<p>Nemaline myopathy 4 (NEM4) [MIM:609285]: A form of nemaline myopathy. Nemaline myopathies are muscular disorders characterized by muscle weakness of varying severity and onset, and abnormal thread-or rod-like structures in muscle fibers on histologic examination. Nemaline myopathy type 4 presents from infancy to childhood with hypotonia and moderate-to-severe proximal weakness with minimal or no progression. Major motor milestones are delayed but independent ambulation is usually achieved, although a wheelchair may be needed in later life. Note=The disease is caused by mutations affecting the gene represented in this entry.</p> <p>Arthrogryposis, distal, 1A (DA1A) [MIM:108120]: A form of distal arthrogryposis, a disease characterized by congenital joint contractures that mainly involve two or more distal parts of the limbs, in the absence of a primary neurological or muscle disease. Distal arthrogryposis type 1 is characterized largely by camptodactyly and clubfoot. Hypoplasia and/or absence of some interphalangeal creases is common. The shoulders and hips are less frequently affected. Note=The disease is caused by mutations affecting the gene represented in this entry.</p>
配列類似性	Belongs to the tropomyosin family.
ドメイン	The molecule is in a coiled coil structure that is formed by 2 polypeptide chains. The sequence exhibits a prominent seven-residues periodicity.
翻訳後修飾	Phosphorylated on Ser-61 by PIK3CG. Phosphorylation on Ser-61 is required for ADRB2 internalization.
細胞内局在	Cytoplasm > cytoskeleton.
画像	



15% SDS-PAGE analysis of 3µg ab103503.

SDS-PAGE - Recombinant Human Tropomyosin 2
protein (ab103503)

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