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Product datasheet for BA1005S

alpha skeletal muscle Actin / ACTA1 Rabbit Protein

Product data:

Product Type:	Native Proteins
Description:	alpha skeletal muscle Actin / ACTA1 rabbit protein, 0.1 mg
Species:	Rabbit
Protein Source:	Skeletal muscle
Predicted MW:	43 kDa
Concentration:	lot specific
Purity:	>98% (determined by SDS gelelectrophoresis)
Buffer:	Presentation State: Purified State: Lyophilized Buffer System: 10 mM Tris/HCl buffer pH 8.0, 0.2mM CaCl2, 0.2 mM ATP, 1 mM DTT, 0.5% (w/v) SDS
Reconstitution Method:	Restore with distilled water 100 µl (final volume 100 µl).
Preparation:	Lyophilized
Applications:	Protein standard in 1D and 2D SDS gelelectrophoresis. Immunoassays. Immunization.
Protein Description:	Purified Actin from Rabbit muscle.
Note:	Isoelectric Point: pI 5.4
Storage:	Store at 2-8°C (lyophilized) and at -20°C (reconstituted). Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001091
Locus ID:	58
Cytogenetics:	1q42.13
Synonyms:	ACTA; ASMA; CFTD; CFTD1; CFTDM; MPFD; NEM1; NEM2; NEM3; SHPM

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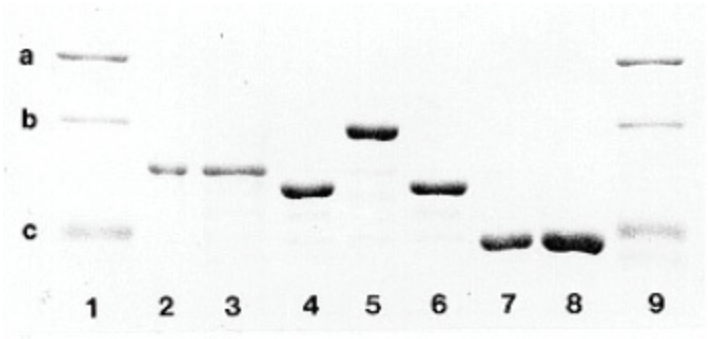
Summary: The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Mutations in this gene cause a variety of myopathies, including nemaline myopathy, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects with manifestations such as hypotonia. [provided by RefSeq, Sep 2019]

Protein Families: Stem cell - Pluripotency

Product images:



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