9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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MYL1 Human

Myosin Light Chain 1 Human Recombinant
RCP1426

Product Overview

Name	MYL1 Human
Description	
Myosin Light Chain 1 Human Recombinant	
Accession (Primary)	P05976
Synonyms	
Myosin light chain 1 skeletal muscle isoform, MLC1F, A1 catalytic, Alkali myosin light chain 1, MYL1, MLC3F.	
Introduction	
Myosin is a hexameric ATPase cellular motor protein, which is composed of 2 heavy chains, 2 non-phosphorylatable alkali light chains, and 2 phosphorylatable regulatory light chains. MYL1 gene encodes a myosin alkali light chain expressed in fast skeletal muscle. Two transcript variants have been identified for the MYL1 gene. In humans MYL1 is localized to chromosome 2q32.1-qter. The Myl1 locus encodes two alkali myosin light chains- Mlc1f and Mlc3f, from two promoters that are differentially regulated throughout development. The Mlc1f promoter is active in embryonic, fetal and adult fast skeletal muscle while the Mlc3f promoter is upregulated during fetal development and stays on in adult fast skeletal muscle.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
Human MYL1 in 10mM Tris -HCI, 1mM EDTA PH 7.5.	
Stability	
Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Precautions	
MYL1 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P05976)