

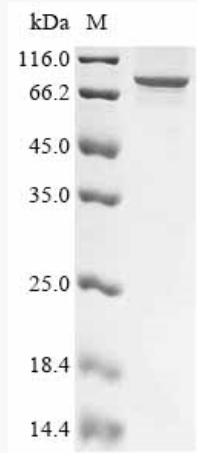
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Datasheet

Product Name	Recombinant Human Myosin-6 (MYH6) , partial
Catalog Number	AAA18489
Expression host	<i>E.coli</i>
Product Info	N-terminal 10xHis-tagged
Storage Buffer	0.2 μm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Muscle contraction.
AA sequence	NAYQYMLTDRENQSILITGESGAGKTVNTRKRVIQYFASIAAIGDRGKKDNAN ANKGTLEDQIIQANPALEAFGNAKTVRNDNSSRFGKFIRIHFGATGKLASADIE TYLLEKSRVIFQLKAERNYHIFYQILSNKKPELLDMLLVTNPNPYDYAFVSQGE VSVASIDDSEELMATDSAFDVLGFTSEEKAGVYKLTGAIMHYGNMKFKQKQ REEQAEPDGTEDADKSAYLMGLNSADLLKGLCHPRVKVGNEYVTKGQSVQQ VYYSIGALAKAVYEKMFNWMVTRINATLETQPRQYFIGVLDIAGFEIFDFNS FEQLCINFTNEKLQQFFNHHMFVLEQEEYKKEGIEWTFIDFGMDLQACIDLIEK PMGIMSILEEECMFPKATDMTFKAKLYDNHLGKSNNFQKPRNIKGKQEAHFS LIHYAGTVDYNILGWLEKNKDPLNETVVALYQKSSLKLMATLFSSYATADTG DSGKSKGGKKKGSSFQTVSALHRENLNKLMTNLRTTHPHFVRCIIPNERKAPG VMDNPLVMHQLRCNGVLEGIIRICRKGFPNRILYGDFRQRYRILNPVAIPEGQFI DSRKGTEKLLSSLDIDHNQYKFGHTKVFFKAGLLGLLEEMRDERLSRIITRMQ AQARGQLMRIEFKKIVERRDALLVI
References	"The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)." The MGC Project Team Genome Res. 14:2121-2127(2004)

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Certificate of Analysis

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Catalog Number	AAA18489	
Expression host	<i>E.coli</i>	
Product Info	N-terminal 10xHis-tagged	
Buffer	0.2 μm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol	
Batch Number	YD05068b1g5	
Nature	Human MYH6-(AA 160-816)-P13533-Partial Protein	
Purification	Affinity purified using IMAC	
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt
	Long term	-20 to -80 °C, six months from the date of receipt
Form	Liquid	
Date of detection	2022.06.21	
Test Items	Specifications	Results
Appearance	Clear Solution	pass
Concentration	0.1-5 mg/ml, by the Bradford Method.	0.34 mg/ml
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	85%
Molecular Weight	Predicted band size: 80.8 kDa	Observed band size: 81 kDa



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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	0.2 µm sterile filtered	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	