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## ATP2A1/SERCA1 Protein (Transcript Variant A) (Myc-DYKDDDK Tag)



### Image



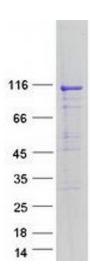
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Overview		
Quantity:	20 μg	
Target:	ATP2A1/SERCA1 (ATP2A1)	
Protein Characteristics:	Transcript Variant A	
Origin:	Human	
Source:	HEK-293 Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This ATP2A1/SERCA1 protein is labelled with Myc-DYKDDDDK Tag.	
Application:	Antibody Production (AbP), Standard (STD)	
Product Details		
Characteristics:	Recombinant human ATP2A1 / SERCA1 (transcript variant a) protein expressed in HEK293	
	cells. • Produced with end-sequenced ORF clone	
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining	
Target Details		
Target:	ATP2A1/SERCA1 (ATP2A1)	
Alternative Name:	Atp2a1,serca1 (ATP2A1 Products)	
Background:	This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in	
	the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis	
	of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic	

### **Target Details**

	reticulum lumen, and is involved in muscular excitation and contraction. Mutations in this gene cause some autosomal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxation during exercise. Alternative splicing results in three transcript variants encoding different isoforms.	
Molecular Weight:	110.1 kDa	
NCBI Accession:	NP_775293	
Pathways:	Ribonucleoside Biosynthetic Process	
Application Details		
Application Notes:	Recombinant human proteins can be used for:	
	Native antigens for optimized antibody production	
	Positive controls in ELISA and other antibody assays	
Comment:	The tag is located at the C-terminal.	
Restrictions:	For Research Use only	
Handling		
Concentration:	50 μg/mL	
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.	
Storage:	-80 °C	
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.	



### **Western Blotting**

Image 1. Validation with Western Blot