

Product datasheet for **SC308958**

Myosin IXA (MYO9A) (NM_006901) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myosin IXA (MYO9A) (NM_006901) Human Untagged Clone
Tag:	Tag Free
Symbol:	Myosin IXA
Synonyms:	CMS24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308958 representing NM_006901. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites:

SgfI-MluI

ACCN:

NM_006901

Insert Size:

7647 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_006901.3</u>
RefSeq Size:	8722 bp
RefSeq ORF:	7647 bp
Locus ID:	4649
UniProt ID:	<u>B2RTY4</u>
Cytogenetics:	15q23
Domains:	IQ, RA, RhoGAP, myosin_head, DAG_PE-bind
MW:	292.7 kDa
Gene Summary:	This gene encodes a member of the myosin superfamily. The protein represents an unconventional myosin; it should not be confused with the conventional non-muscle myosin-9 (MYH9). Unconventional myosins contain the basic domains of conventional myosins and are further distinguished from class members by their tail domains. They function as actin-based molecular motors. Mutations in this gene have been associated with Bardet-Biedl Syndrome. [provided by RefSeq, Dec 2011]