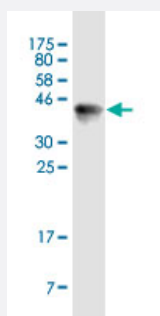


# OBSCN monoclonal antibody (M02A), clone 5C20

Catalog # H00084033-M02A

Size 200 uL

## Applications



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant OBSCN.
<b>Immunogen</b>	OBSCN (XP_290923, 1551 a.a. ~ 1649 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	KAGMGPYSSPSEQVLLGGPSHLASEEESQGRSAQPLPSTKTFAFQTQIQGRFSVVRQCWEKA SGRALAAKIIIPYHPKDKTAVLREYEALKGLRHPHLA
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (87)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
<b>Storage Buffer</b>	In ascites fluid
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — OBSCN

Entrez GeneID	<a href="#">84033</a>
GeneBank Accession#	<a href="#">XM_290923</a>
Protein Accession#	<a href="#">XP_290923</a>
Gene Name	OBSCN
Gene Alias	DKFZp666E245, FLJ14124, KIAA1556, KIAA1639, MGC120409, MGC120410, MGC120411, MGC120412, MGC138590, UNC89
Gene Description	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF
Omim ID	<a href="#">608616</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The obscurin gene spans more than 150 kb, contains over 80 exons and encodes a protein of approximately 720 kDa. The encoded protein contains 68 Ig domains, 2 fibronectin domains, 1 calcium/calmodulin-binding domain, 1 RhoGEF domain with an associated PH domain, and 2 serine-threonine kinase domains. This protein belongs to the family of giant sacromeric signaling proteins that includes titin and nebulin, and may have a role in the organization of myofibrils during assembly and may mediate interactions between the sarcoplasmic reticulum and myofibrils. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]
Other Designations	obscurin, myosin light chain kinase obscurin-MLCK obscurin-RhoGEF

## Disease

- [Tobacco Use Disorder](#)