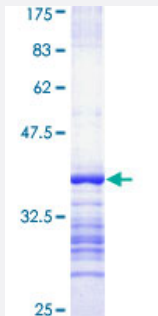


# OBSCN (Human) Recombinant Protein (Q01)

Catalog # H00084033-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human OBSCN partial ORF ( NP_443075, 6521 a.a. - 6620 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	LGPRGPLGLFRPEPRGASPPGPQVRSLEGTSFLLREAPARPVGSAPWTQSFCTRIRRSADSGQS SFTTELSTQTVNFGTVGETVTLHICPDRDGDEAAQP
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.63
<b>Interspecies Antigen Sequence</b>	Mouse (26)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — OBSCN

Entrez GeneID	<a href="#">84033</a>
GeneBank Accession#	<a href="#">NM_052843</a>
Protein Accession#	<a href="#">NP_443075</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 lg 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](#)