

Oncomodulin (OCM) Recombinant Protein | OCM recombinant protein

Recombinant Oncomodulin (OCM)

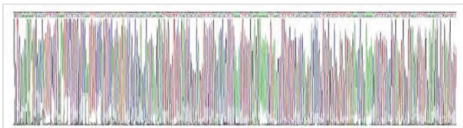
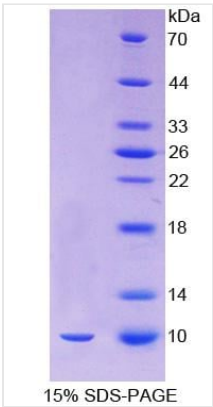
CATALOG # AAA133991	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Oncomodulin (OCM); Recombinant Oncomodulin (OCM); OCM recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 800ug/mL (varies by lot)
Applicable Applications for OCM recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Met1~Ser109
Tags	N-terminal His Tag
Subcellular Location	Nucleus, Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	4.9
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

MSITDVLSAD DIAALQECR DPDTFEPQKF FQTSGLSKMS ANQKDVFRF
IDNDQSGYLD EEELKFFLQK FESGARELTE SETKSLMAAA DNDGDGKIGA
EEFQEMVHS

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	147906122
NCBI GeneID	654231
NCBI Accession #	NP_001091091.1
NCBI GenBank Nucleotide #	NM_001097622.1
UniProt Accession #	P0CE72; P32930; Q6ISI5; Q75MW0; B9EJH7
Molecular Weight	Predicted Molecular Mass: 15.7kDa Accurate Molecular Mass: 10kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	oncomodulin-1
NCBI Official Synonym Full Names	oncomodulin
NCBI Official Symbol	OCM
NCBI Official Synonym Symbols	OM; OCM1; ONCM
NCBI Protein Information	oncomodulin-1; hCG18255; oncomodulin 1; parvalbumin beta
UniProt Protein Name	Oncomodulin-1
UniProt Gene Name	OCM
UniProt Synonym Gene Names	OCM1; OCMN; OM
UniProt Entry Name	ONCO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.