

Retinal Outer Segment Membrane Protein 1 (ROM1) Recombinant Protein | ROM1 recombinant protein

Recombinant Retinal Outer Segment Membrane Protein 1 (ROM1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA147164	E.coli	Mus musculus (Mouse)	Western Blot, SDS-Page

PRODUCT SYNONYMS

Retinal Outer Segment Membrane Protein 1 (ROM1); Recombinant Retinal Outer Segment Membrane Protein 1 (ROM1); ROM; ROSP1; TSPAN23; Rod Outer Segment Membrane Protein; Tetraspanin-23; ROM1 recombinant protein

PRODUCT SPECIFICATIONS

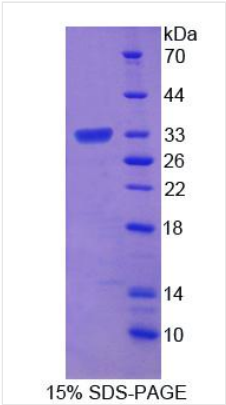
Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose
Concentration	Original Concentration: 100ug/mL (varies by lot)
Applicable Applications for ROM1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Arg85~Ala351
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	5.0
Usage	Reconstitute in 10mM PBS (pH7.4) 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.

IMAGES

[SEQUENCE]

RASLDA AQYPPHRGVL
TPLLAVGTAA GGGLLTALG LALALPVSIN QGLEEGLEAA LAHYKDTEVP
GRCAQAKRLMD ELQLRYHCCG RHGYKDFGV QWVSNRYLDP SDQDVVDRIQ
SNVEGLYLID GVPFSCCNPH SPRPCLQSQL SDPYAHLFD PROPNLNLWA
QGCHVLLLEH LQGLSGTLGS ILAVTLLLIQ LVLLGLRYLQ TALEGLGGVI
DGEGEAQGYL FPGGLKDILK TAWLQGGLAH KPAPEEAPPD EEPKKEVLAE
A

Gene Sequence



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for ROM1 recombinant protein	Recombinant Protein
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NCBI AND UNIPROT INFORMATION

NCBI GI #	256665253
NCBI GeneID	19881
NCBI Accession #	NP_033099.3
NCBI GenBank Nucleotide #	NM_009073.4
UniProt Accession #	P32958
Molecular Weight	Predicted Molecular Mass: 32.6kDa Accurate Molecular Mass: 33kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	rod outer segment membrane protein 1
NCBI Official Synonym Full Names	rod outer segment membrane protein 1
NCBI Official Symbol	Rom1
NCBI Official Synonym Symbols	Rom-1; Rosp1; M101156; Tspan23; Rgsc1156
NCBI Protein Information	rod outer segment membrane protein 1
UniProt Protein Name	Rod outer segment membrane protein 1
UniProt Gene Name	Rom1
UniProt Synonym Gene Names	Rom-1; ROSP1

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.