Recombinant Human ROM1

Cat. No. ROM1-30954TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human ROM1 with an N terminal proprietary tag; Predicted MWt 36.85 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	102 amino acids
Description	This gene is a member of a photoreceptor-specific gene family and encodes an integral membrane protein found in the photoreceptor disk rim of the eye. This protein can form homodimers or can heterodimerize with another photoreceptor, retinal degeneration slow (RDS). It is essential for disk morphogenesis, and may also function as an adhesion molecule involved in the stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. Certain defects in this gene have been associated with the degenerative eye disease retinitis pigmentosa.
Molecular Weight	36.850kDa inclusive of tags
Tissue specificity	Retina (photoreceptor). In rim region of ROS (rod outer segment) disks.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QLRYHCCGRHGYKDWFGVQWVSSRYLDPGDRDVADRIQSN VEGLYLTDGVPFSC CNPHSPRPCLQNRLSDSYAHPLFDPR QPNQNLWAQGCHEVLLEHLQDL
Sequence Similarities	Belongs to the PRPH2/ROM1 family.

GENE INFORMATION

Gene Name	ROM1 retinal outer segment membrane protein 1 [Homo sapiens]
Official Symbol	ROM1
Synonyms	ROM1; retinal outer segment membrane protein 1; rod outer segment membrane protein 1; ROM; TSPAN23;
Gene ID	6094
mRNA Refseq	NM_000327
Protein Refseq	NP_000318
MIM	180721
Uniprot ID	Q03395
Chromosome Location	11q13

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