

Recombinant Human RS1 protein, His & GST-tagged

Cat. No. RS1-1730H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RS1 aa. (Ser24~Ala224 (Accession # O15537)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser24~Ala224
Description	This gene encodes an extracellular protein that plays a crucial role in the cellular organization of the retina. The encoded protein is assembled and secreted from photoreceptors and bipolar cells as a homo-oligomeric protein complex. Mutations in this gene are responsible for X-linked retinoschisis, a common, early-onset macular degeneration in males that results in a splitting of the inner layers of the retina and severe loss in vision.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	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°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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.5

GENE INFORMATION

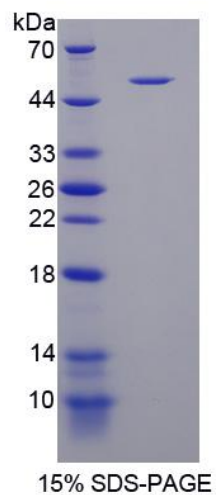
Gene Name	RS1 retinoschisin 1 [Homo sapiens (human)]
Official Symbol	RS1
Synonyms	RS1; retinoschisin 1; RS; XLRS1; X-linked juvenile retinoschisis protein
Gene ID	6247
mRNA Refseq	NM_000330.3
Protein Refseq	NP_000321.1
UniProt ID	O15537

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SDS-PAGE



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