

Recombinant Full Length Human RS1 Protein, C-Flag-tagged

Cat. No. RS1-561HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RS1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	23 kDa
AA Sequence	MSRKIEGFLLLLLFGYEATLGLSSTEDEGEDPWYQKACKCDCQGPNALWSAGATS LDCIPECPYHKPLG FESGEVTPDQITCSNPEQYVGWYSSWTANKARLNSQGFGCA WLSKFQDSSQWLQIDLKEIKVISGILTQG RCDIDEWMTKYSVQYRTDERLNWIYYKD QTGNNRVFYGNSDRTSTVQNLLRPPIISRFIRLIPLGWHVRI AIRMELLECVSKCATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

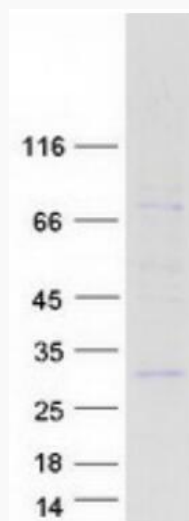
GENE INFORMATION

Gene Name	RS1 retinoschisin 1 [Homo sapiens (human)]
Official Symbol	RS1
Synonyms	RS; XLRS1
Gene ID	6247
mRNA Refseq	NM_000330.4
Protein Refseq	NP_000321.1
MIM	300839
UniProt ID	O15537

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Coomassie blue staining of purified RS1 protein.

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