

Recombinant Human RS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RS1-5226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RS1 MS Standard C13 and N15-labeled recombinant protein (NP_000321) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	25.59 kDa
AA Sequence	MSRKIEGFLLLLLFGYEATLGLSSTEDEGEDPWYQKACKCDCQGGPNALWSAGATS LDCIPECPYHKPLGFESGEVTPDQITCSNPEQYVGWYSSWTANKARLNSQGFGCA WLSKFQDSSQWLQIDLKEIKVISGILTQGRCDIDEWMTKYSVQYRTDERLNWIYYKD QTGNNRVFYGNSDRTSTVQNLLRPPIISRIFIRLIPLGWHVRIARMELLECVSKCATRT RPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

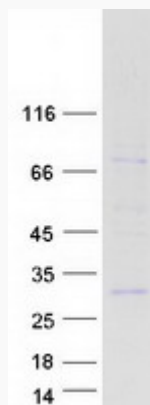
GENE INFORMATION

Gene Name	RS1 retinoschisin 1 [Homo sapiens (human)]
Official Symbol	RS1
Synonyms	RS1; retinoschisin 1; RS; XLRS1; retinoschisin; X-linked juvenile retinoschisis protein
Gene ID	6247
mRNA Refseq	NM_000330
Protein Refseq	NP_000321
MIM	300839
UniProt ID	O15537

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SDS-PAGE

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