



Recombinant Human Retinoschisin (RS1)

Product Code	CSB-EP020534HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15537
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	STEDEGE DPWYQKACKC DCQGGPNALW SAGATSLDCI PECPYHKPLG FESGEVTPDQ ITCNPEQYV GWYSSWTANK ARLNSQGFGC AWLSKFQDSS QWLQIDLKEI KVISGILTQG RCDIDEWMTK YSVQYRTDER LNWIYYKDQT GNNRVFYGNS DRTSTVQNLL RPPIISRFIR LIPLGWHVRI AIRMELLECV SKCA
Source	E.coli
Target Names	RS1
Protein Names	Recommended name: Retinoschisin Alternative name(s): X-linked juvenile retinoschisis protein
Expression Region	24-224
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.