



Recombinant Human Protein XRP2 (RP2)

Product Code	CSB-MP020076HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75695
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	GCFFSKRRK ADKESRPENE EERPKQYSWD QREKVDPKDY MFSGLKDETV GRLPGTVAGQ QFLIQDCENC NIYIFDHSAT VTIDDCTNCI IFLGPVKGSV FFRNCRDCKC TLACQQFRVR DCRKLEVFLC CATQPIESS SNIKFGCFQW YYPELAFQFK DAGLSIFNNT WSNIHDFTPV SGELNWSLLP EDAVVQDYVP IPTTEELKAV RVSTEANRSI VPISRGQRQK SDESCLVVL FAGDYTIANA RKLIDEMVGK GFFLVQTKEV SMKAEDAQRV FREKAPDFLP LLNKGPIAL EFNGDGAVEV CQLIVNEIFN GTKMFVSESK ETASGDVDSF YNFADIQMG I
Source	Mammalian cell
Target Names	RP2
Protein Names	Recommended name: Protein XRP2
Expression Region	2-350
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	The RP2 locus has been implicated as one cause of X-linked retinitis pigmentosa. The predicted gene product shows homology with human cofactor C, a protein involved in the ultimate step of beta-tubulin folding. Progressive retinal degeneration may therefore be due to the accumulation of incorrectly-folded photoreceptor or neuron-specific tubulin isoforms followed by progressive cell death
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.