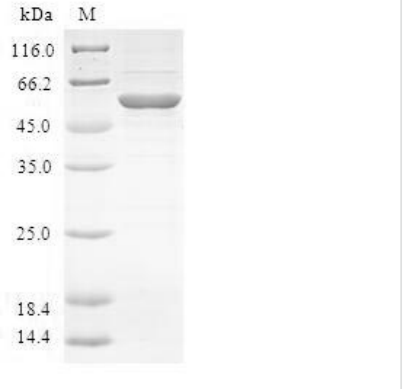
Recombinant Human RING finger protein 212 (RNF212)

Product Code	CSB-EP019872HU
Relevance	SUMO E3 ligase that acts as a regulator of crossing-over during meiosis: required to couple chromosome synapsis to the formation of crossover-specific recombination complexes. Localizes to recombination sites and stabilizes meiosis-specific recombination factors, such as MutS-gamma complex proteins (MSH4 and MSH5) and TEX11. May mediate sumoylation of target proteins MSH4 and/or MSH5, leading to enhance their binding to recombination sites. Acts as a limiting factor for crossover designation and/or reinforcement and plays an antagonist role with CCNB1IP1/HEI10 in the regulation of meiotic recombination
Abbreviation	Recombinant Human RNF212 protein
Storage	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.
Uniprot No.	Q495C1
Alias	RING finger protein 212
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MANWVFCNRCFQPPHRTSCFSLTNCGHVYCDACLGKGKKNECLICKAPCRTV LLSKHTDADIQAFFMSIDSLCKKYSRETSQILEFQEKHRKRLLAFYREKISRLEE SLRKSVLQIEQLQSMRSSQQTAFSTIKSSVSTKPHGCLLPPHSSAPDRLESME VDLSPSPIRKSEIAAGPARISMISPPQDGRMGPHLTASFCFIPWLTLSKPPVPG ECVISRGSPCFCIDVCPHWLLLLAFSSGRHGELTNSKTLPIYAEVQRAVLFPFQ QAEGTLDTFRTPAVSVVFPLCQFERKKSF
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	RNF212
Protein Names	Recommended name: RING finger protein 212
Expression Region	1-297aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	60.4kDa

Protein Length	Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.