Recombinant Human Regulator of telomere elongation helicase 1 (RTEL1), partial

Product Code	CSB-EP020563HU
Abbreviation	RTEL1
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.	Q9NZ71
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Source	E.coli
Target Names	RTEL1
Protein Names	Recommended name: Regulator of telomere elongation helicase 1 EC= 3.6.4.12 Alternative name(s): Novel helicase-like
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	Partial
Target Details	In mice, inactivation of the Rtel (regulator of telomere length) gene has been shown to cause chromosome breaks, fusions, and telomere loss. In addition, Rtel is required for telomere elongation. Therefore, the mouse Rtel gene regulates chromosome stability and telomere length. This gene is the human ortholog of the mouse Rtel gene, so its protein product may play similar roles in humans. It is located in a gene-rich cluster on chromosome 20, with other potential tumor-related genes, such as TNFRSF6B. Multiple transcript variants encoding different isoforms have been described for this gene, although the full-length nature of not all variants is known.
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.