

Recombinant Human C19L1 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50097

Size: 10ug, 100ug

Protein Name: Pre-mRNA splicing factor CWF19L1 (CWF19-like protein 1) (C19L1)

Synonym: CWF19L1

UniProt ID: Q69YN2

UniProt Link: www.uniprot.org/uniprotkb/Q69YN2/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 538 AA

Molecular Weight: 61 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAQKPLRLLACGDVEGKFDILFNVRVQAIQKKSGNFDLLLCVGNFFGSTQDAEWEEYKTGIKKAPIQT
YVLGANNQETVKYFQDADGCELAENITYLGRKGIFTGSSGLQIVYLSGTESLNEPVPGYSFSPKDVS
SLRMMLCTTSQFKGVDILLTSPWPKCVGNFGNSSGEVDTKKCGSALVSSLATGLKPRYHFAALEKT
YYERLPYRNHIILQENAQHATRFIALANVGNPEKKKYLYAFSIVPMKLMDAELVKQPPDVTENPYRK
SGQEASIGKQILAPVEESACQFFFDLNEKQGRKRSSTGRDSKSSPHPKQPRKPPQPPGPCWFCCLAS
PEVEKHLVVNIGTHCYLALAKGGLSDDHVLILPIGHYQSVVELSAEVVEEVEKYKATLRRFFKSRGKW
CVVFERNYKSHHLQLQVIPVPISCSTTDDIKDAFITQAQEQQIELLEIPEHSDIKQIAQPGAAYFYVELD
TGEKLFHRIKKNFPLQFGREVLASEAILNVPDKSDWRQCQISKEDEETLARRFRKDFEPYDFTLDD

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Pre-mRNA splicing factor CWF19L1 (CWF19-like protein 1) (C19L1) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Acts as a splicing regulator which modulates global alternative splicing (PubMed:39542248). Regulates expression of immune-related genes through direct regulation of alternative splicing and modulation of upstream transcription factors (PubMed:39542248). Promotes T cell toxicity by enhancing T cell cytokine production (PubMed:39542248).

Subcellular Localization: Nucleus . Nucleus, nucleoplasm . Note=Detected in the nucleus where it is predominantly expressed in the nucleoplasm (PubMed:39542248). Not detected in nuclear substructures including Cajal body, nucleus speckle, nucleolus, PML body and paraspeckle (PubMed:39542248).

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.