

Product datasheet for **TP300831**

C1orf135 (AUNIP) (NM_024037) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human chromosome 1 open reading frame 135 (C1orf135), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC200831 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MRRTGPEEEACGVWLDAAALKRRKRVQTHLIKPGTKMLTLLPGERKANIYFTQRRAPSTGIHQRSIASFFT
LQPGKTNQSDQKSVSSHTESQINKESKKNATQLDHLIPGLAHDCMASPLATSTTADIQEAGLSPQSLQTS
GHRMKTPFSTELSLQPDTPDCAGDSHTPLAFSFTEDLESSCLDRKEEKGDSARKWEWLHESKKNYQS
MEKHTKLPQDKCCQPLGKTKLERKVSARENQAPVLLQTYRESWNGENIESVKQSRSPVSVFSDWNEKND
KDSWSQLFTEDSQGQRVIAHNTRAPFQDVTNNWNWDLGFPNPPWAQCQEDGPTQNLKPDLLFTQDSEGN
QVIRHQF

TRTRPLEQKLISEEDLAANDILDYKDDDDDKV

Tag: C-Myc/DDK

Predicted MW: 40.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_076942](#)

Locus ID: 79000



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UniProt ID: [Q9H7T9](#)

RefSeq Size: 2178

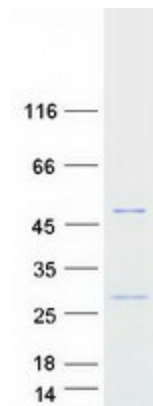
Cytogenetics: 1p36.11

RefSeq ORF: 1071

Synonyms: AIBP; C1orf135

Summary: DNA-binding protein that accumulates at DNA double-strand breaks (DSBs) following DNA damage and promotes DNA resection and homologous recombination (PubMed:29042561). Serves as a sensor of DNA damage: binds DNA with a strong preference for DNA substrates that mimic structures generated at stalled replication forks, and anchors RBBP8/CtIP to DSB sites to promote DNA end resection and ensuing homologous recombination repair (PubMed:29042561). Inhibits non-homologous end joining (NHEJ) (PubMed:29042561). Required for the dynamic movement of AURKA at the centrosomes and spindle apparatus during the cell cycle (PubMed:20596670). [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified AUNIP protein (Cat# TP300831). The protein was produced from HEK293T cells transfected with AUNIP cDNA clone (Cat# [RC200831]) using MegaTran 2.0 (Cat# [TT210002]).