

Product datasheet for **TP300831M**

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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200831 protein sequence Red =Cloning site Green =Tags(s)
	<p>MRRTGPEEEACGVWLDAALKRRKVQTHLIKPGTKMLTLLPGERKANIYFTQRRAPSTGIHQRSIASFFT LQPGKTNGSDQKSVSHTESQINKESKKNATQLDHLIPGLAHDCMASPLATSTTADIQEAGLSPQSLQTS GHHRMKTPFSTELSLQPDTPDCAGDSHTPLAFSFTEDLESSCLDRKEEKGDSARKWEWLHESKKNYQS MEKHTKLPGDKCCQLGKTKLERKVSARENQAPVLLQTYRESWNGENIESVKQSRSPVSFVSWDNEKN D KDSWSQLFTEDSQGQRVIAHNTRAPFQDVTNNWNWDLGFPNPPWAQCQEDGPTQNLKPDLLFTQD SEGN QVIRHQF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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.



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RefSeq: [NP_076942](#)

Locus ID: 79000

UniProt ID: [Q9H7T9](#)

RefSeq Size: 2178

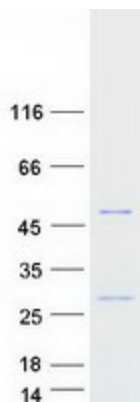
Cytogenetics: 1p36.11

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]).