

## Product datasheet for **TP306178**

### **C14orf142 (GON7) (NM\_032490) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 14 open reading frame 142 (C14orf142), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206178 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MELLGEYVGQEGKPQKLRVSCEAPGDGDPFQGLLSGVAQMKDMVTELFDPVQGEVQHRVAAAPDEDLDG DDEDDAEDENNIDNRTNFDGPSAKRPKTPS
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	10.7 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:	<a href="#">NP_115879</a>
Locus ID:	84520
UniProt ID:	<a href="#">Q9BXV9</a>
RefSeq Size:	1191
Cytogenetics:	14q32.12



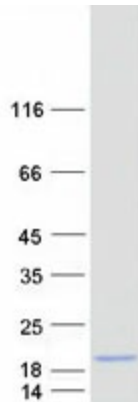
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RefSeq ORF: 300

Synonyms: C14orf142; PNAS-127

**Summary:** Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. GON7 likely plays a supporting role to the catalytic subunit OSGEP in the complex.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified GON7 protein (Cat# TP306178). The protein was produced from HEK293T cells transfected with GON7 cDNA clone (Cat# [RC206178]) using MegaTran 2.0 (Cat# [TT210002]).