

Product datasheet for TP307089

OSGEP (NM_017807) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human O-sialoglycoprotein endopeptidase (OSGEP), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207089 protein sequence Red =Cloning site Green =Tags(s)
	<p>MPAVLGFEGSANKIGVGVWRDGVLANPRRTYVTPPGTGFLPGDTARHHRAVILDLLQEALTESGLTSQD IDCIAYTKGPGMGAPLVSAVAVARTVAQLWNKPLVGVNHCIGHIEMGRLITGATSPTVLYVSGGNTQVIA YSEHRYRIFGETIDIAVGNCLDRFARVLKISNDPSPGYNIEQMAKRGKKLVLPYTVKGMDFVSGILSF IEDVAHRMLATGECTPEDLCFSLQETVFAMLVEITERAMAHCGSQEALIVGGVGCNVRLQEMMATMCQER GARLFATDERFCIDNGAMIAQAGWEMFRAGHRTPLSDSGVTQRYRTDEVEVTWRD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	36.2 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_060277
Locus ID:	55644



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UniProt ID: [Q9NPF4](#)

RefSeq Size: 1642

Cytogenetics: 14q11.2

RefSeq ORF: 1005

Synonyms: GAMOS3; GCPL1; KAE1; OSGEP1; PRSMG1; TCS3

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. OSGEP likely plays a direct catalytic role in this reaction, but requires other protein(s) of the complex to fulfill this activity.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified OSGEP protein (Cat# TP307089). The protein was produced from HEK293T cells transfected with OSGEP cDNA clone (Cat# [RC207089]) using MegaTran 2.0 (Cat# [TT210002]).