

## Product datasheet for PH307089

### OSGEP (NM\_017807) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	OSGEP MS Standard C13 and N15-labeled recombinant protein (NP_060277)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207089
Predicted MW:	36.4 kDa
Protein Sequence:	>RC207089 protein sequence Red=Cloning site Green=Tags(s)  MPAVLGFEGSANKIGVGVVRDGVLANPRRTYVTPPGTGFLPGDARHHRVILDLLQEALTESGLTSQD IDCIAYTKGPGMGAPLVSVAVVARTVAQLWNKPLVGVNHCIGHIEMGRLITGATSPTVLVYSGGNTQVIA YSEHRYRIFGETIDIAVGNCLDRFARVLKISNDPSPGYNIEQMAKRGKLVLPYTVKGMVSVFSGILSF IEDVAHRMLATGECTPEDLCFSLQETVFAMLVEITERAMAHCGSQEALIVGGVGCNVRQLQEMMATMCQER GARLFATDERFCIDNGAMIAQAGWEMFRAGHRTPLSDSGVTQRYRTDEVEVTWRD  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_060277</a></u>
RefSeq Size:	1642
RefSeq ORF:	1005
Synonyms:	GAMOS3; GCPL1; KAE1; OSGEP1; PRSMG1; TCS3
Locus ID:	55644



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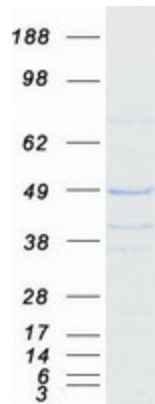
UniProt ID: [Q9NPF4](#)

Cytogenetics: 14q11.2

**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]).