

Product datasheet for **TP307089L**

OSGEP (NM_017807) Human Recombinant Protein

Product data:

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|---------------------------------------|------------------------------------------------------------------------------|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human O-sialoglycoprotein endopeptidase (OSGEP), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC207089 protein sequence Red =Cloning site Green =Tags(s) |

MPAVLGFEGSANKIGVGVWRDGVLANPRRTYVTPPGTGFLPGDARHHRVILDLLQEALTESGLTSQD
IDCIAYTKGPGMGAPLVSAVAVARTVAQLWNKPLVGVNHCIGHIEMGRLITGATSPTVLYVSGGNTQVIA
YSEHRYRIFGETIDIAVGNCLDRFARVLKISNDPSPGYNIEQMAKRGKLVLPYTVKGMDFVSGILSF
IEDVAHRMLATGECTPEDLCFSLQETVFAMLVEITERAMAHCGSQEALIVGGVGCNVRLQEMMATMCQER
GARLFATDERFCIDNGAMIAQAGWEMFRAGHRTPLSDSGVTQRYRTDEVEVTWRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

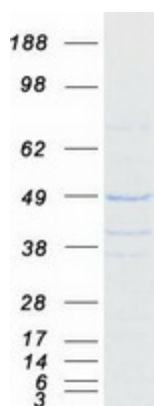
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|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag: | C-Myc/DDK |
| Predicted MW: | 36.2 kDa |
| Concentration: | >0.05 µg/µL 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: | <u>NP_060277</u> |
| 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]).