

Product datasheet for **TP504973**

Osgep (NM_133676) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse O-sialoglycoprotein endopeptidase (Osgep), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR204973 protein sequence
Red=Cloning site **Green**=Tags(s)

MPAVLGFEGSANKIGVGVWRDGTVLNPRRTYVTAPGTGFLPGDTARHHRVILDLLQEALAEAGLTSKD
 IDCIAFTKPGMGAPLASVAVVARTVAQLWNKPLLGVNHCIEMGRLITGAVNPTVLYVSGGNTQVIS
 YSEHRYRIFGETIDIAVGNCLDRFARVLKISNDPSPGYNIEQMAKRGKKLVELPYTVKGMDVVSFSGILSF
 IEDAAQRMLATGECTPEDLCFSLQETVFAFMLVEITERAMAHCGSKEALIVGGVGCNLRLLQEMMGTMQCQR
 GAQLFATDERFCVDNGAMIAQAGWEMFQAGHRTPLKDSAITQRYRTDEVEVTWRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 36.3 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

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 after receiving vials.

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_598437](#)

Locus ID: 66246

UniProt ID: [Q8BWU5](#), [A0A0R4J1Y3](#), [Q3UQ67](#)



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RefSeq Size: 1608

Cytogenetics: 14 C1

RefSeq ORF: 1008

Synonyms: 1500019L24Rik; GCPL-1; PRSMG1

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]