

Recombinant Mouse Osgep Protein, Myc/DDK-tagged

Cat. No. Osgep-4617M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length O-sialoglycoprotein endopeptidase (Osgep), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t6A37) 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.
Molecular Mass	36.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Osgep O-sialoglycoprotein endopeptidase \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Osgep](#)

Synonyms OSGEP; O-sialoglycoprotein endopeptidase; probable tRNA threonylcarbamoyladenosine biosynthesis protein Osgep; mOsgep; probable O-sialoglycoprotein endopeptidase; t(6)A37 threonylcarbamoyladenosine biosynthesis protein Osgep; GCPL-1; PRSMG1; 1500019L24Rik

Gene ID [66246](#)

mRNA Refseq [NM_133676](#)

Protein Refseq [NP_598437](#)

UniProt ID [Q8BWU5](#)

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