

## Recombinant Mouse Osgep Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length O-sialoglycoprotein endopeptidase (Osgep), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	36.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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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