

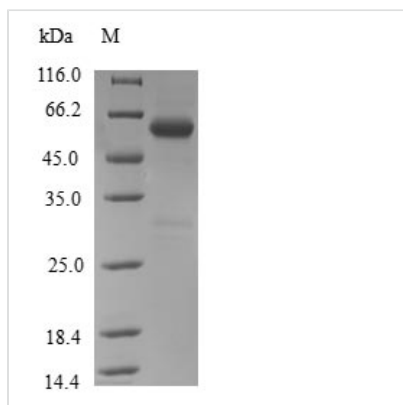


Recombinant Human tRNA N6-adenosine threonylcarbamoyltransferase (OSGEP)

Product Code	CSB-EP878842HU
Relevance	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.
Abbreviation	Recombinant Human OSGEP protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NPF4
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MPAVLGFEGSANKIGVGVVRDQKVLANPRRTYVTPPGTGFLPGDTARHHRVAVI LDLLQEALTESGLTSQDIDCIAYTKGPGMGAPLVSVAVVARTVAQLWVKPLVG VNHCIHGIEMGRLITGATSPTVLYVSGGNTQVIAYSEHRYRIFGETIDIAVGNCL DRFARVLKISNDPSPGYNIEQMAKRGKLVLPYTVKGMDSVFSGILSFIEDVA HRMLATGECTPEDLCFSLQETVFAMLVEITERAMAHCGSQEALIVGGVGCNVR LQEMMATMCQERGARLFATDERFCIDNGAMIAQAGWEMFRAGHRTPLSDSG VTQRYRTDEVEVTWRD
Research Area	others
Source	E.coli
Target Names	OSGEP
Protein Names	Recommended name: Probable tRNA threonylcarbamoyladenine biosynthesis protein OSGEP Alternative name(s): hOSGEP t(6)A37 threonylcarbamoyladenine biosynthesis protein OSGEP
Expression Region	1-335aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	63.4kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.