

## 32-2636: OSGEP Recombinant Protein

**Alternative Name :** O-Sialoglycoprotein Endopeptidase, T(6)A37 Threonylcarbamoyladenosine Biosynthesis Protein OSGEP, tRNA Threonylcarbamoyladenosine Biosynthesis Protein OSGEP, N6-L-Threonylcarbamoyladenosine Synthase, T(6)A Synthase, HOSGEP, GCPL1

### Description

Source : Escherichia Coli. OSGEP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 358 amino acids (1-335 a.a) and having a molecular mass of 38.8kDa. OSGEP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. O-Sialoglycoprotein Endopeptidase, also known as OSGEP is a member of the KAE1 / TsaD family. OSGEP is essential for the formation of threonylcarbamoyl group on adenosine at position 37 (t6A37) in tRNAs which read codons beginning with adenine. OSGEP take a direct catalytic part in the above reaction, however other proteins of the complex are required to fulfill this activity.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 80.0% as determined by SDS-PAGE.  
**Content :** OSGEP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHH SSGLVPRGSH MGSMPLVLGF EGSANKIGVG VVRDGKVLAN PRRTYVTPPG TGFLPGDTARHHRAVILDL QEALTESGLT SQDIDCIAYT KGPGMGAPLV SVAVVARTVA QLWNKPLVGV NHCIGHIEMGRLITGATSPT VLYVSGGNTQ VIAYSEHRYR IFGETIDIAVGNCLDRFARV LKISNDPSPG YNIEQMAKRG KKLVELPYTV KGMDVSFSGILSFIEDVAHR MLATGECTPE DLCFSLQETV FAMLVEITER AMAHCGSQEA LIVGGVGCNV RLQEMMATMCQERGARLFAT DERFCIDNGA MIAQAGWEMF RAGHRTPLSD SGVTQRYRTD EVEVTWRD.

