

## Product datasheet for **AR51613PU-N**

### OSGEP / GCPL1 (His-tag) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | OSGEP / GCPL1 (His-tag) human recombinant protein, 0.5 mg   |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMPAVLGF EGSANKIGVG VWRDGKVLAN PRRTYVTPPG TGFLPGDTAR HHRVILDLL QEALTESGLT SQDIDCIAYT KGPGMGAPLV SVAVVARTVA QLWNKPLVGV NHCIGHIEMG RLITGATSPT VLYVSGGNTQ VIAYSEHRYR IFGETIDIAV GNCLDRFARV LKISNDPSPG YNIEQMAKRG KKLVELPYTV KGMDVSFSGI LSFIEDVAHR MLATGECTPE DLCSLQETV FAMLVEITER AMAHCGSQEA LIVGGVGCNV RLQEMMATMC QERGARLFAT DERFCIDNGA MIAQAGWEMF RAGHRTPLSD SGVTQRYRTD EVEVTWRD |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 38.8 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >80% by SDS - PAGE  |
| Buffer:                               | Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays.<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea   |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human OSGEP protein, fused to His-tag at N-terminus, was expressed in E.coli.   |
| Storage:                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.   |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <a href="#">NP_060277</a>   |
| Locus ID:                             | 55644   |
| UniProt ID:                           | <a href="#">Q9NPF4</a>  |
| Cytogenetics:                         | 14q11.2   |



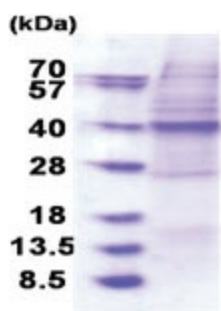
[View online »](#)

**Synonyms:** KAE1, 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]

**Protein Families:** Druggable Genome, Protease

**Product images:**



15% SDS-PAGE (3ug)