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Product datasheet for AR51613PU-S

OSGEP / GCPL1 (His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	OSGEP / GCPL1 (His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPAVLGF EGSANKIGVG VVRDGKVLAN PRRTYVTPPG TGFLPGDTAR HHRAVILDLL QEALTESGLT SQDIDCIAYT KGPGMGAPLV SVAVVARTVA QLWNKPLVGV NHCIGHIEMG RLITGATSPT VLYVSGGNTQ VIAYSEHRYR IFGETIDIAV GNCLDRFARV LKISNDPSPG YNIEQMAKRG KKLVELPYTV KGMDVSFSGI LSFIEDVAHR MLATGECTPE DLCFSLQETV 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: Purified State: Liquid purified protein 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:	NP_060277
Locus ID:	55644
UniProt ID:	Q9NPF4
Cytogenetics:	14q11.2
Synonyms:	GAMOS3; GCPL1; KAE1; OSGEP1; PRSMG1; TCS3

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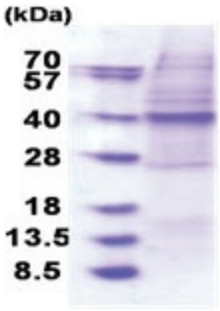
Summary: Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (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)