

OSGEP, 1- 335aa, Human, His tag, E.coli

Cat.NO.: TP03261

3th Edition

Synonyms:probable tRNA threonylcarbamoyladenosine biosynthesis protein OSGEP, GCPL1, KAE1, OSGEP1, PRSMG1

Description:OSGEP belongs to the KAE1 / YgjD family. This protein is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t6A37) in tRNAs that read codons beginning with adenine. Recombinant human OSGEP protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight:38.8 kDa (358aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMPLVGFEGSANKIGVGVVRDQKVLNPRRTYVTPPGTGFLPGDTRHHR
AVILDLLQEALTESGLTSQDIDCIAYTKGPGMGAPLVSVAVVARTVAQLWNKPLVGVNHCIGHIEMGRLITGATSPTV
LYVSGGNTQVIAYSEHRYRIFGETIDIAVGNCLDRFARVLKISNDPSPGYNIEQMAKRGKLVLPYTVKGMDVSFS
GILSFIEDVAHRMLATGECTPEDLCFSLQETVFAMLVEITERAMAHCGSQEALIVGGVGCNVRLQEMMATMCQERG
ARLFATDERFCIDNGAMIAQAGWEMFRAGHRTPLSDSGVTQRYRTDEVEVTWRD

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.