Recombinant Full Length Human O-sialoglycoprotein endopeptidase Protein, His tagged

Cat. No. OSGEP-23HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human OSGEP protein (Full Length), fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-335aa
Description	Predicted to enable N(6)-L-threonylcarbamoyladenine synthase activity and metal ion binding activity. Involved in tRNA threonylcarbamoyladenosine modification. Located i n cytoplasm; nuclear speck; and plasma membrane. Part of EKC/KEOPS complex. I mplicated in Galloway-Mowat syndrome 3.
Tag	N-His
Form	Liquid
Molecular Mass	38.8 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSMPAVLGFEGSANKIGVGVVRDGKVLANPRRT YVTPPGTGFLPGDTARHHRAVILDLLQEALTESGLTSQDIDCIAYTKGPGMGAPLVSV AVVARTVAQLWNKPLVGVNHCIGHIEMGRLITGATSPTVLYVSGGNTQVIAYSEHRY RIFGETIDIAVGNCLDRFARVLKISNDPSPGYNIEQMAKRGKKLVELPYTVKGMDVSF

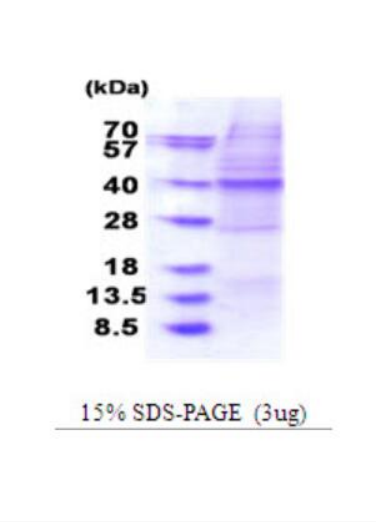
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	SGILSFIEDVAHRMLATGECTPEDLCFSLQETVFAMLVEITERAMAHCGSQEALIVGG VGCNVRLQEMMATMCQERGARLFATDERFCIDNGAMIAQAGWEMFRAGHRTPLS DSGVTQRYRTDEVEVTWRD
Purity	> 80% by SDS-PAGE
Applications	SDS-PAGE, Denatured
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Bradford assay)
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
References	1. Seki Y., et al (2002). Gene 285:101-108 2. Burkard T.R., et al (2011). BMC Syst. Biol. 5:17-17

GENE INFORMATION

Gene Name	OSGEP O-sialoglycoprotein endopeptidase [Homo sapiens (human)]
Official Symbol	OSGEP
Synonyms	OSGEP; O-sialoglycoprotein endopeptidase; KAE1; TCS3; GCPL1; GAMOS3; OSGEP1; PRSMG1; tRNA N6-adenosine threonylcarbamoyltransferase; N6-L-threonylcarbamoyladenine synthase; hOSGEP; probable O-sialoglycoprotein endopeptidase; probable tRNA N6-adenosine threonylcarbamoyltransferase;

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	probable tRNA threonylcarbamoyladenosine biosynthesis protein OSGEP; t(6)A synthase; t(6)A37 threonylcarbamoyladenosine biosynthesis protein OSGEP; tRNA threonylcarbamoyladenosine biosynthesis protein OSGEP; EC 2.3.1.234
Gene ID	55644
mRNA Refseq	NM_017807
Protein Refseq	NP_060277
MIM	610107
UniProt ID	Q9NPF4
SDS-PAGE	 3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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