OSGEPL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OSGEPL1, Polyclonal Antibody
Full Product Name	OSGEPL1 Antibody
Product Gene Name	anti-OSGEPL1 antibody
Product Synonym Names	O sialoglycoprotein endopeptidase like 1; O sialoglycoprotein endopeptidase like protein 1; osgepl1; OSGP2_HUMAN; Probable O sialoglycoprotein endopeptidase 2; Probable tRNA threonylcarbamoyladenosine biosynthesis protein OSGEPL1; Putative sialoglycoprotease type 2; Qri7; t(6)A37 threonylcarbamoyladenosine biosynthesis protein OSGEPL1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Concentration	1mg/ml (lot specific)
Specificity	OSGEPL1 Antibody detects endogenous levels of OSGEPL1.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	OSGEPL1 peptide (MBS9632823) is used for blocking the activity of OSGEPL1 antibody (MBS9630440)
Molecular Weight	32,586 Da
3D Structure	ModBase 3D Structure for Q9H4B0
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human OSGEPL1.
Conjugation	Unconjugated
Similarity	Belongs to the KAE1 / TsaD family.
Subunit Structure	Homodimer.
Tissue Specificity	Widely expressed, with maximum expression in pituitary gland, prostate, rectum and uterus.
Function	Required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in mitochondrial tRNAs that read codons beginning with adenine. Probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. Involved in mitochondrial genome maintenance.
Product Categories/Family for anti-OSGEPL1 antibody	Mitochondrion; Primary
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-OSGEPL1 antibody	ELISA (EIA)(peptide)

Application Notes for anti-OSGEPL1 antibody	ELISA(peptide): 1:20000-1:40000
Related Product Information for anti-OSGEPL1 antibody	MBS9630440 is an antibody targeting OSGEPL1. Also known as OSGEPL1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-OSGEPL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OSGEPL1. It may not necessarily be applicable to this product.

NCBI GI #	116812636
NCBI GeneID	64172
NCBI Accession #	NP_071748.2
UniProt Primary Accession #	Q9H4B0
UniProt Secondary Accession #	Q96EV9; Q96NH5
UniProt Related Accession #	Q9H4B0
GenBank Nucleotide #	NM_022353.2
NCBI Official Full Name	probable tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial
NCBI Official Synonym Full Names	O-sialoglycoprotein endopeptidase-like 1
NCBI Official Symbol	OSGEPL1
NCBI Official Synonym Symbols	Qri7
UniProt Protein Name	Probable tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial
UniProt Synonym Protein Names	N6-L-threonylcarbamoyladenine synthase; t(6)A synthase; O-sialoglycoprotein endopeptidase-like protein 1
UniProt Gene Name	OSGEPL1
UniProt Synonym Gene Names	t(6)A synthase
UniProt Entry Name	OSGP2_HUMAN
NCBI Protein Information	probable tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial
UniProt Comments for OSGEPL1	OSGEPL1: Required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. Belongs to the KAE1 / YgjD family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.6.99.4; Protease Chromosomal Location of Human Ortholog: 2q32.2 Cellular Component: mitochondrion Molecular Function: metal ion binding; transferase activity, transferring groups other than amino-acyl groups
Research Articles on OSGEPL1	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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