GSPF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GSPF, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) GSPF Polyclonal Antibody
Product Gene Name	anti-GSPF antibody
Product Synonym Names	GSPF Antibody; Putative type II secretion system protein F; T2SS protein F; General secretion pathway protein F; Protein transport protein HofF; gspF hofF hopF b3327 JW3289
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli (strain K12)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	44,339 Da
Chromosome Location	NC_000913.2 (3457839..3459035)
3D Structure	ModBase 3D Structure for P41441
Immunogen	Recombinant Escherichia coli (strain K12) gspF protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GSPF antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-GSPF antibody	MBS7154627 is an antibody targeting GSPF. Also known as Rabbit anti-Escherichia coli (strain K12) GSPF Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-GSPF 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 GSPF. It may not necessarily be applicable to this product.

NCBI GI #	16131206
NCBI GeneID	947829
NCBI Accession #	NP_417786.1
UniProt Primary Accession #	P41441

UniProt Secondary Accession #	Q2M6Z2
GenBank Nucleotide #	NC_000913.2
NCBI Official Full Name	general secretory pathway component, cryptic
NCBI Official Symbol	gspF
NCBI Official Synonym Symbols	ECK3314; hofF; hopF; JW3289
UniProt Protein Name	Putative type II secretion system protein F
UniProt Synonym Protein Names	General secretion pathway protein F; Protein transport protein HofF
Protein Family	Putative type II secretion system protein
UniProt Gene Name	gspF
UniProt Synonym Gene Names	hofF; hopF; T2SS protein F
UniProt Entry Name	GSPF_ECOLI
NCBI Protein Information	general secretory pathway component, cryptic
NCBI Summary for GSPF	A divergon is a regulon comprised of two adjacent divergent operons or genes. [More information is available at EcoGene: EG12885]. In Escherichia coli, gspF is a member of an operon of genes (gspC-O) which are not normally expressed but are homologous to those encoding the secreton, or type II secretion machinery in Klebsiella oxytoca and Aeromonase hydrophila, among others . [More information is available at EcoCyc: G7705].
UniProt Comments for GSPF	Function: Involved in a type II secretion system (T2SS, formerly general secretion pathway, GSP) for the export of proteins Potential. Subcellular location: Cell inner membrane; Multi-pass membrane protein. Induction: Silenced by the DNA-binding protein H-NS under standard growth conditions. Ref.5 Miscellaneous: Part of a cryptic operon that encodes proteins involved in type II secretion machinery in other organisms, but is not expressed in strain K12. Sequence similarities: Belongs to the GSP F family.
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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