walK Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	walK, Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus walK protein, N-GST tag
Product Gene Name	walK recombinant protein
Product Synonym Names	Sensor protein kinase WalK; vicK; walK
Host	E Coli
Form/Format	Lyophilized. Lyophilized from 50 mM Tris-HCl, pH 8.0, 150 mM NaCl, 0.2% NLS, 5% Trehalose, 5% Mannose, 1mM EDTA.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for ~12 months from the date of receipt. Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details. In general, proteins are provided as lyophilized powder or frozen liquid. They are shipped out with dry ice or blue ice unless customers require otherwise
Molecular Weight	69,924 Da
3D Structure	ModBase 3D Structure for Q7A215
Source	Staphylococcus aureus (strain MW2)
Reconstitution	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.
Construction	A DNA sequence encoding the Staphylococcus aureus walK (Val251–Arg376) was fused with the N-terminal GST tag
Product Categories/Family for walK recombinant protein	Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for walK recombinant protein	MBS157343 is a recombinant protein targeting walK. Also known as Recombinant Staphylococcus aureus walK protein, N-GST tag. Host: E Coli.
Other Notes	Small volumes of walK recombinant protein 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 walK. It may not necessarily be applicable to this product.

NCBI GI #	446794351
NCBI Accession #	WP_000871607.1
UniProt Primary Accession #	Q7A215
GenBank Nucleotide #	WP_000871607.1
NCBI Official Full Name	PAS domain-containing sensor histidine kinase

UniProt Protein Name	Sensor protein kinase WalK
Protein Family	Sensor histidine kinase
UniProt Gene Name	walK
UniProt Synonym Gene Names	vicK
UniProt Entry Name	WALK_STAAW
UniProt Comments for walK	Member of the two-component regulatory system WalK/WalR that regulates genes involved in autolysis, biofilm formation and cell wall metabolism. WalK functions as a sensor protein kinase which is autophosphorylated at a histidine residue and transfers its phosphate group to WalR.
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Online datasheet: https://www.mybiosource.com/recombinant-protein/walk/157343