



Recombinant *Shewanella denitrificans* Lipid A export ATP-binding/permease protein MsbA (msbA)

Product Code	CSB-CF614316SAAQ
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q12M46
Product Type	Transmembrane Protein
Immunogen Species	<i>Shewanella denitrificans</i> (strain OS217 / ATCC BAA-1090 / DSM 15013)
Sequence	<p>MTASPKNEMSTVFKRLMTYVMPMKGMLTSLILGLIVYGLVDAAFIAFIKPFIDEG FSQNP TVVAGVELPTSGGFSANKDVMLMAPLVVIGMFTLRGVANFVSTYICISYLSAQLI MDMRQQ VFEHYLRLPVSYIDRENSGNLISRVTDFTEQIARASGSALISIVRDSITVIGMLAL MFFY SWKLSLCILVIGPLMGVVISIVSKRFRKVSVQIQSAMGGVTATTEQMIKGHKNVL SFGGQ ETESKRFYEVNDRNRYQNMKLAMAQSVSQPVIMIIGSFALAFVLYAASLDSMK LELTAGT FAAILGAMLAMLQPIKNLTRVNAEFQRGIAACTTVFELLDTLPESDTGAHQVER VQGHLR FDNVSFSYPGQAKPALNNIDFDVKPGKTVALVGRSGSGKSTMASLITRFYTGL EQGDIRL DDVSIYDYSLSLRSQVALVSQQVTLFNDSIANNIAYAYPGEVSREQILKAATLA HAMEF IEQLPEGLDTQVGENGVLLSGGQRQRIAIARAMLRDAPVLILDEATSALDTESE KAIQLG LDNLRHNRTSIVIAHRLSTIESADEILVIDQGKIIERGTHASLIEKKGAYAGLYQM QFGE</p>
Source	in vitro E.coli expression system
Target Names	msbA
Protein Names	Recommended name: Lipid A export ATP-binding/permease protein MsbA EC=3.6.3.-
Expression Region	1-600
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.