

Recombinant *Listeria Monocytogenes* Serovar 1/2a PLCA Protein (23-317 aa)

Cat. No. PLCA-2386L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Listeria Monocytogenes</i> Serovar 1/2a (strain ATCC BAA-679/EGD-e) PLCA Protein (23-317 aa) is produced by E. coli expression system. Protein Description: Full Length of Mature Protein.
Species	<i>Listeria Monocytogenes</i> Serovar 1/2a
Source	E.coli
ProteinLength	23-317 aa
Description	Cleaves glycosylphosphatidylinositol (GPI) and phosphatidylinositol (PI) anchors but not PI phosphates. Important factor in pathogenesis, PI-PLC activity is present only in virulent listeria species. It may participate in the lysis of the phagolysosomal membrane.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	33.5 kDa
AA Sequence	FPLGGKAYSLNNWNKPIKNSVTTKQWMSALPDTTNLAALSIPGTHDTMSYNGDITW TLTKPLAQTQTMSLYQQLEAGIRYIDIRAKDNLNIYHGPIFLNASLSGVLETITQFLKKN PKETIIMRLKDEQNSNDSFDYRIQPLINIYKDYFYTTPTDTSNKIPTLKDVRGKILLLS ENHTKKPLVINSRKFGMQFGAPNQVIQDDYNGPSVKTKFKEIVQTAYQASKADNKLF LNHISATSLTFTPRQYAAALNNKVEQFVLNLTSEKVRGLGILIMDFPEKQTIKNIKNNK

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Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

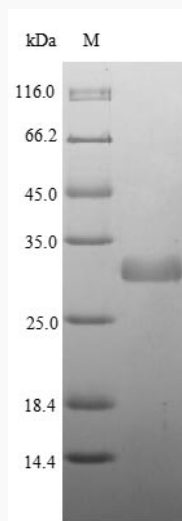
GENE INFORMATION

Gene Name	plcA phosphatidylinositol-specific phospholipase c [<i>Listeria monocytogenes</i> EGD-e]
Official Symbol	PLCA
Synonyms	plcA;
Gene ID	987032
Protein Refseq	NP_463732
UniProt ID	P34024

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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