



Recombinant Methanosarcina barkeri Pyrrolysine--tRNA ligase (pylS)

Product Code	CSB-MP673888MSM
Abbreviation	pylS
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q46E77
Product Type	Recombinant Protein
Immunogen Species	Methanosarcina barkeri (strain Fusaro / DSM 804)
Purity	>85% (SDS-PAGE)
Sequence	MDKKPLDVLI SATGLWMSRT GTLHKIKHYE VSRSKIYIEM ACGDHLVVNN SRSCRTARAF RHHKYRKTCK RCRVSEEDIN NFLTRSTEGK TSVKVKVSA PKVKKAMPKS VSRAPKPLEN PVSASTDT SRSVPSPAKS TPNSPVPTSA PAPSLTRS QL DRVEALLSPE DKISLNI AKP FRELESELVT RRKNDFQRLY TNDREDYLGK LERDITKFFV DRDFLEIKSP ILIPAEYVER MGINNDELS KQIFRVDKNL CLRPLAPTL YNYLRKLDRI LPDPIKIFEV GPCYRKESDG KEHLEEFMTV NFCQMGS GCT RENLESLIKE FLDYLEIDFE IVGDSCMVY G DTLDIMHGDL ELSSAVVGPV PLDREWGIDK PWIGAGFGLE RLLKVMHGFK NIKRASRSES YYNGISTNL
Source	Mammalian cell
Target Names	pylS
Protein Names	Recommended name: Pyrrolysine--tRNA ligase EC= 6.1.1.26 Alternative name(s): Pyrrolysine--tRNA(Pyl) ligase Pyrrolysyl-tRNA synthetase Short name= PyIRS
Expression Region	1-419
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
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
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.