



Recombinant Alanine racemase (alr)

Product Code	CSB-EP719811SMZ
Abbreviation	alr
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.	Q5XAA4
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394)
Purity	≥85% (SDS-PAGE)
Sequence	MISSFHRPTV ARVNLQAIKE NVASVQKHIP LGVKTYAVVK ADAYGHGAVQ VSKALLPQVD GYCVSNLDEA LQLRQAGIDK EILILGVLLP NELKLAI TRQ VTVTVASLEW LAMAKQEWPD LKGLKVHIKI DSGMGRIGLR SVTEVDNLIA GLKSMGADVE GIFTHFATAD EADDTKFNQQ LQFFKKLIAG LEDKPRLVHA SNSATSIWHS DTIFNAVRLG IVSYGLNPSG SDLSLPFPLQ EALSLESSLV HVKMISAGDT VGYGATYTAK KSEYVGTVP I GYADGWTRNM QGFSVLVDGQ FCEIIGRVSM DQLTIRLSKA YPLGTKVTLI GSNQQKNIST TDIANYRNTI NYEVLCLLSD RIPRIY
Source	E.coli
Target Names	alr
Protein Names	Recommended name: Alanine racemase EC= 5.1.1.1
Expression Region	1-366
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.