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Datasheet for ABIN1666838

## Isocitrate Lyase Protein (ICL) (AA 1-428) (His tag)

### Overview

Quantity:	1 mg
Target:	Isocitrate Lyase (ICL)
Protein Characteristics:	AA 1-428
Origin:	Mycobacterium tuberculosis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Isocitrate Lyase protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MSVVGTPKSA EQIQEWD TN PRWKDVTRTY SAEDVVALQG SVVEHTLAR RGAEVLWEQL HDLEWVNALG ALTGNMAVQQ VRAGLKAIYL SGWQVAGDAN LSGHTYPDQS LYPANSVPQV VRRINNALQR ADQIAKIEGD TSVENWLAPI VADGEAGFGG ALNVYELQKA LIAAGVAGSH WEDQLASEKK CGHLGGKVL I PTQQHIRTLT SARLAADVAD VPTVVIARTD AEAATLITSD VDERDQPFIT GERTREGFYR TKNGIEPCIA RAKAYAPFAD LIWMETGTPD LEARQFSEA VKAEYPDQML AYNCSPSFNW KKHLDATIA KFQKELAAMG KFKQFITLAG FHALNYSMFD LAYGYAQNQM SAYVELQERE FAAEERGYTA TKHQREVGAG YFDRIATTVD PNSSTTALTG STEEGQFH
Specificity:	Mycobacterium tuberculosis
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: Isocitrate Lyase (ICL)

Abstract: [ICL Products](#)

Background: Recommended name: Isocitrate lyase.  
Short name= ICL.  
Short name= Isocitrase.  
Short name= Isocitratase.  
EC= 4.1.3.1

UniProt: [P0A5H3](#)

## Application Details

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Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.