

Isocitrate lyase 2 (ICL2), Recombinant Protein

Cat *RP18487*

Size 0.05 mg (*E-Coli*)/ 0.05 mg (*Yeast*)/ 0.2 mg (*E-Coli*)/ 0.05 mg
(*Baculovirus*)/ 0.5 mg (*E-Coli*)/ 0.2 mg (*Yeast*)/ 0.1 mg

Species (*Baculovirus*)/ 0.05 mg (*Mammalian-Cell*)/ 0.5 mg (*Yeast*)/ 1 mg
(*E-Coli*)/ 0.5 mg (*Baculovirus*)/ 0.1 mg (*Mammalian-Cell*)/ 1 mg
Glycine max (*Soybean*) (*Glycine hispida*)
(*Yeast*)/ 1 mg (*B*)

Full Product Name

Recombinant Glycine max Isocitrate lyase 2 (ICL2), partial

Product Gene Name

ICL2 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

EAEVAEVQAW WNSERFRLTK RPYTARDVVS LRGNLRQTYA SNEMAKKLWC LLKNHQANGT ASRTFGALDP
VQVTQMAKHL DTIYVSGWQC SATHTTSNEP GPDLADYPYD TVPNKVEHLF FAQQYHDRKQ REERMRSRE
ERARTPYVDY LRPIADGDT GFGGTTATVK LCKLFVERGA AGIHIEDQSS VTKKCGHMAG KVLVAISEHI
NRLVAARLQF DVMGVETVLV ARTDAEAAANL IQSNIDTRDH QFILGVTNPN LKGKSLATLM QQGMAAGKSG
AELQALEDEW LSKAQLKTLS EAVVEAIERQ NIGEEEEKRRK LNEWMHHSSY ERCLSNEEGR EIAEKLGVNR
LFWDWDLPRRT REGFYRFKGS VIASVVRGWA FSPHADVIWM ETASPNVIEC TQFSEGVR SK HPQMMLGYNL
SPSFNWDASG MSDEQMR

Sequence Positions

1-437. Partial.

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or *Yeast* or *Baculovirus* or *Mammalian Cell*

Molecular Weight

62,840 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week.
Repeated freezing and thawing is not recommended.

Protein Family

Isocitrate lyase

NCBI Accession

P45457.1

NCBI GI

1168290

NCBI GeneID

100782793

NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.05 mg
(Baculovirus)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.1 mg

Isocitrate lyase 2 (Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg

(E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg

(Yeast)/ 1 mg (B

NCBI Official Symbol

ICL

NCBI Official Synonym Symbols

ICL2

NCBI Protein Information

isocitrate lyase 2

UniProt Gene Name

ICL2

UniProt Synonym Gene Names

ICL 2

UniProt Protein Name

Isocitrate lyase 2

UniProt Synonym Protein Names

Isocitrase 2

UniProt Primary Accession

P45457

UniProt Related Accession

P45457

UniProt Comments

Involved in storage lipid mobilization during the growth of higher plant seedling.

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