

# IAA-amino acid hydrolase ILR1-like 6 (ILL6), Recombinant Protein

Cat      *RP01025*

Size      0.02 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg (*E-Coli*)/ 0.1 mg (*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 0.1 mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 0.1 mg (*Mammalian-Cell*)/ 1 mg (*Yeast*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)

## Species

*Arabidopsis thaliana* (Mouse-ear cress)

## Full Product Name

Recombinant *Arabidopsis thaliana* IAA-amino acid hydrolase ILR1-like 6 (ILL6)

## Product Gene Name

ILL6 recombinant protein

## Product Synonym Gene Name

ILL6

## Purity

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

## Sequence

TNLPFFFEVKY PNNNPFGMILL RPTPIKNQSL GLPAHVGSDE CRVWTKACSD EILRLTYQPD NVAWLKRVRR  
TIHENPELAF EYETSRLIR SELDRMGIMY RYPLAKTGIR AWIGSGGPPF VAVRADMDAL PIQEAVEWEH  
ISKVAGKMHA CGHDAHVTML LGAHILKAR EHLLKGTVV L LFQPAEEAGN GAKNMIEDGA LDDVEAIFAV  
HVSHIHPTGV IGSRSGPLLA GCGIFRAVIT SEDSRGAANL LLAASSAVIS LQGIVSREAS PLDSQVSVT  
SFDGGHSLDV APDTVVLGGT FRAFSNSSFY YLKKRIQEV L MDQVGVFQCQ ATVNFFFEKQN AIYPPTTND  
ATYNHLKKVT IDLLGDSHFT LAPQMMGAED FAFYSEIIPA AFYFIGIRNE ELGSVHIAHS PHFMIDEDSL  
PVGAHVHAAV AERYLNDKHS

## Sequence Positions

25-464, Full length protein

## Format

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

## Host

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

## Molecular Weight

50,820 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

IAA-amino acid hydrolase

## NCBI Accession #

NP\_175086.1

## NCBI GI #

15219390

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# IAA-amino acid hydrolase ILR1-like 6 (ILL6), Recombinant Protein

Cat *RP01025*

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

## NCBI GenBank Nucleotide #

NM\_103546.4

## NCBI GeneID

841026

## NCBI Official Full Name

IAA-amino acid hydrolase ILR1-like 6

## NCBI Official Symbol

ILL6

## NCBI Official Synonym Symbols

IAA-leucine resistant (ILR)-like gene 6; T18F15.9; T18F15\_9

## NCBI Protein Information

IAA-amino acid hydrolase ILR1-like 6

## NCBI Summary

encodes a protein similar to IAA amino acid conjugate hydrolase.

## UniProt Gene Name

ILL6

## UniProt Protein Name

IAA-amino acid hydrolase ILR1-like 6

## UniProt Synonym Protein Names

Protein gr1

## UniProt Primary Accession #

Q8VYX0

## UniProt Secondary Accession #

O81702; Q94LA5

## UniProt Related Accession #

Q8VYX0

## UniProt Comments

Hydrolyzes certain amino acid conjugates of the plant growth regulator indole-3-acetic acid (IAA). Also hydrolyzes amino acid conjugates of jasmonic acid and 12-hydroxy jasmonic acid.

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