

# Tyrosine decarboxylase 1 (ELI5), Recombinant Protein

Cat RP01314

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 Tyrosine decarboxylase 1 (ELI5)

## Product Gene Name

ELI5 recombinant protein

## Product Synonym Gene Name

ELI5

## Purity

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

## Sequence

MENSGSKVLK PMDSEQLREY GHLMVDFIAD YYKTIEDFPV LSQVQPGYLH KLLPDSAPDH PETLDQVLDD  
VRAKILPGVT HWQSPSFFAY YPSNSSVAGF LGEMLSAGLG IVGFSWVTSP AATELEMIVL DWVAKLLNLP  
EQFMSKGNNG GVIQGSASEA VLVVLIARD KVLRSVGKNA LEKLVVYSSD QTHSALQKAC QIAGIHPENC  
RVLTTDSSTN YALRPESLQE AVSRDLEAGL IPFFLCANVG TTSSTAVDPL AALGKIANSN GIWFHVDAAY  
AGSACICPEY RQYIDGVETA DSFNMNAHKW FLTNFDCSLV WVKDQDSLTL ALSTNPEFLK NKASQANLVV  
DYKDWQIPLG RFRSLKLWM VLRLYGSETL KSYIRNHIKL AKEFEQLVSQ DPNFEIVTPR IFALVCFRLV  
PVKDEEKKNR NRNRELLDAV NSSGKLFMSH TALSGKIVLR CAIGAPLTEE KHVKEAWKII QEEASYLLHK

## Sequence Positions

1-490, 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

54,423 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

Tyrosine decarboxylase

## NCBI Accession #

NP\_849999.1

## NCBI GI #

30680963

## NCBI GenBank Nucleotide #

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

816553

## NCBI Official Full Name

Pyridoxal phosphate (PLP)-dependent transferases superfamily protein

## NCBI Official Symbol

AAS

## NCBI Official Synonym Symbols

aromatic aldehyde synthase; AtAAS; F11A3.11; F11A3\_11

## NCBI Protein Information

Pyridoxal phosphate (PLP)-dependent transferases superfamily protein

## NCBI Summary

Encodes an aromatic aldehyde synthase (AtAAS), which catalyzes the in vitro conversion of phenylalanine and 3,4-dihydroxy-L-phenylalanine to phenylacetaldehyde and dopaldehyde, respectively.

## UniProt Gene Name

ELI5

## UniProt Protein Name

Tyrosine decarboxylase 1

## UniProt Primary Accession #

Q8RY79

## UniProt Secondary Accession #

Q9SK68; Q9SMY2; Q9SMY3

## UniProt Related Accession #

Q8RY79

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