

Phenylalanine ammonia-lyase 1 (PAL-1), Recombinant Protein

Cat RP15833

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)/ 0.05 mg

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

Full Product Name

Recombinant Solanum tuberosum Phenylalanine ammonia-lyase 1 (PAL-1), partial

Product Gene Name

PAL-1 recombinant protein

Purity

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

Sequence

MAPSIAQNGH VNGEVEEVLW KKSIDHPLNW EMAVDSLRGS HLDEVKKMVD EFRKPIVKLW GETLTVAQVA
SIANADNKTS GFKVELSESA RAGVKASSDW VMDSMSKGTG SYGVTTGFCA TSHRRTKNGG ALQKELIKFL
NAGVFGNGTE STHTLPHSAT RAAMLVRINT LLQGYSGIRF EILEAITKLI NSNITPCLPL RGTVTASGDL
VPLSYIAGLL TGRPNSKAVG PSGSKLDADE AFRVAAVSGG FFELQPKEGL ALVNGTAVGS G

Sequence Positions

1-271. 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

78,618 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

Homeobox protein

NCBI Accession

P31425.1

NCBI GI

400725

NCBI Official Full Name

Phenylalanine ammonia-lyase 1

UniProt Gene Name

PAL-1

UniProt Protein Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 0.5 mg (Yeast)/ 1 mg

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

(Yeast)/ 1 mg (B

UniProt Primary Accession

P31425

UniProt Comments

This is a key enzyme of plant metabolism catalyzing the first reaction in the biosynthesis from L-phenylalanine of a wide variety of natural products based on the phenylpropane skeleton.

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