

Acetolactate synthase 1, chloroplastic (ALS1), Recombinant Protein

Cat *RP10376*

Species

Zea mays (Maize)

Full Product Name

Recombinant Zea mays Acetolactate synthase 1, chloroplastic (ALS1), partial

Product Gene Name

ALS1 recombinant protein

Product Synonym Gene Name

ALS1

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

68,930 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

Acetolactate synthase

NCBI Accession

NP_001151761.1

NCBI GI

226503879

NCBI GenBank Nucleotide

NM_001158289.1

NCBI GeneID

100285396

NCBI Official Full Name

acetolactate synthase 1, chloroplastic

NCBI Official Symbol

als1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Acetolactate synthase 1, chloroplastic (ALS1), Recombinant Protein

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NCBI Official Synonym Symbols

AHAS108; GRMZM2G143008

NCBI Protein Information

acetolactate synthase 1, chloroplastic

UniProt Gene Name

ALS1

UniProt Synonym Gene Names

AHAS108

UniProt Protein Name

Acetolactate synthase 1, chloroplastic

UniProt Synonym Protein Names

Acetohydroxy-acid synthase 1

UniProt Primary Accession

Q41768

UniProt Related Accession

Q41768

UniProt Comments

MiscellaneousAcetolactate synthase is the target enzyme for sulfonylurea and imidazolinone herbicides.

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