

Peroxisomal (S)-2-hydroxy-acid oxidase GLO1, Recombinant Protein

Cat RP11282

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)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Oryza sativa subsp. indica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. indica Peroxisomal (S)-2-hydroxy-acid oxidase GLO1

Product Gene Name

GLO1 recombinant protein

Purity

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

Sequence

MGEITNVMEY QAIKQKLKP MIYDYYASGA EDEWTLKENR EAFSRILFRP RILIDVSKID MSATVLGFKI
SMPIMIAPSA MQKMAHPDGE YATARAASAA GTIMTLSSWA TSSVEEVAST GPGIRFFQLY VYKDRNVVEQ
LVRRAERAGF KAIALTVDTP RLGRREADIK NRFVLPPYLT LKNFEGDLA EMDKSNDSGL ASYVAGQIDR
TLSWKDVKWL QSITSLPILV KGVITAEDAR LAVHSGAAGI IVSNHGARQL DYVPATISAL EEVVTAAAGR
IPVYLDGGVR RGTDFVKALA LGAAGVFIGR PVVFALAAEG EAGVRNVLRM MREEFELTMA LSGCTSLADI
TRAHIYTDAD RLARPPRL

Sequence Positions

1-369, 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

40,384 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.

NCBI Accession

B8AKX6.1

NCBI GI

317376187

NCBI Official Full Name

Peroxisomal (S)-2-hydroxy-acid oxidase GLO1

UniProt Gene Name

GLO1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
UniProt Synonym Gene Names
GOX 1; OsGLO1

UniProt Protein Name

Peroxisomal (S)-2-hydroxy-acid oxidase GLO1

UniProt Synonym Protein Names

Glycolate oxidase 1; GOX 1; OsGLO1; Short chain alpha-hydroxy acid oxidase GLO1

UniProt Primary Accession

B8AKX6

UniProt Comments

Photorespiratory enzyme that can exert a strong regulation over photosynthesis, possibly through a feed-back inhibition on Rubisco activase. Not required for oxalate accumulation .

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