

Peroxisomal (S)-2-hydroxy-acid oxidase GLO3, Recombinant Protein

Cat RP11327

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 GLO3

Product Gene Name

GLO3 recombinant protein

Purity

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

Sequence

MELITNVSEY EQLAKQKLPK MIYDYYASGA EDQWTLKENR EAFSRILFRP RILIDVSRIN MATNVLGFNI
SMPIMIAPSA MQKMAHPEGE LATARAASAA GTIMTLSSWS TSSVEEVNSA APGIRFFQLY VYKDRNIVRQ
LVRRAELAGF KAIALTVDTP RLGRREADIK NRFNLPPHLV LKNFEALDLG KMDKTNDSSL ASYVASQVDR
SLSWTDVKWL QTITSLPILV KGVMTAEDTR LAVESGAAGI IVSNHGARQL DYVPATISCL EEVVREAKGR
LPVFLDGGVR RGTDVFKALA LGASGVFIGR PVLFLSLAVDG EAGVRKVLQM LRDELELTMA LSGCTSLAEI
TRNHVITDSD RIRRSRL

Sequence Positions

1-367, 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

40,533 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

ADP-ribosylation factor GTPase-activating protein

NCBI Accession

B8AUI3.1

NCBI GI

317376201

NCBI Official Full Name

Peroxisomal (S)-2-hydroxy-acid oxidase GLO3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Peroxisomal (S)-2-hydroxy-acid oxidase GLO3, Recombinant Protein

Cat *RP11327*

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)

UniProt Gene Name

GLO3

UniProt Synonym Gene Names

GOX 3; OsGLO3

UniProt Protein Name

Peroxisomal (S)-2-hydroxy-acid oxidase GLO3

UniProt Synonym Protein Names

Glycolate oxidase 3; GOX 3; OsGLO3; Short chain alpha-hydroxy acid oxidase GLO3

UniProt Primary Accession

B8AUI3

UniProt Secondary Accession

Q01KC3

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 .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY