Oleosin 16 kDa (OLE16), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP12812*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Oleosin 16 kDa (OLE16)

Product Gene Name
OLE16 recombinant protein

Product Synonym Gene Name
1CP; OSE375

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

Sequence
ADQHRGVIGG GGYGDRGGQE QQEKQRFMMT ALKTVTAATA GGSMLVLSGL ILAGTVIALT VATPVLVIFS PVLVPAAIAL ALMAAGFVTS GGLGVAALSV FSWMYKYLTG KHPPGADQLD HAKARLASKA RDIKEAAQHR IDQAQAS

Sequence Positions
2-148aa; full length protein

Format
Liquid containing glycerol

Host
Cell Free Expression

Molecular Weight
15,200 Da

Storage
Store at -20℃, for extended storage, conserve at -20℃ or -80℃.Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.

Protein Family
Oleosin

NCBI Accession
Q42980.3

NCBI GI
1027907298

NCBI Official Full Name
Oleosin 16 kDa

UniProt Gene Name
OLE16

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Synonym Gene Names
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UniProt Protein Name
Oleosin 16 kDa

UniProt Synonym Protein Names
OSE701

UniProt Entry Name
OLEO1_ORYSJ

UniProt Primary Accession
Q42980

UniProt Secondary Accession
O81104; Q0JBA0; Q7XSD3; Q9ZRH7; A3AW41

UniProt Comments
May have a structural role to stabilize the lipid body during desiccation of the seed by preventing coalescence of the oil. Probably interacts with both lipid and phospholipid moieties of lipid bodies. May also provide recognition signals for specific lipase anchorage in lipolysis during seedling growth.

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