

Oleosin 16.4 kDa (MATP7), Recombinant Protein

Cat *RP19485*

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

Species

Gossypium hirsutum (Upland cotton) (*Gossypium mexicanum*)

Full Product Name

Recombinant *Gossypium hirsutum* Oleosin 16.4 kDa (MATP7)

Product Gene Name

MATP7 recombinant protein

Purity

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

Sequence

ADRDRSYRTF DQVVRGDRTN YQSGPSTTQV LTVLTLPIG GTLLALAGLT LTGTVIGLCM ATPLFVIFSP
VLVPAIAVF MAVAGFLSSG AFGLTGLSSL SYVFNRFQA TGTEQLDADR AKRGMQDMVG YVGQTKETG
QTIENKAHEG GRT

Sequence Positions

2-154aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

16,398 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C.

Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Oleosin

NCBI Accession

P29528.1

NCBI GI

266691

NCBI Official Full Name

Oleosin 16.4 kDa

UniProt Gene Name

MATP7

UniProt Protein Name

Oleosin 16.4 kDa

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Entry Name

OLE07_GOSHI

UniProt Primary Accession

P29528

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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