Profilin LP04 (Os06g0152100, LOC_Os06g05880), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP14496*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Profilin LP04 (Os06g0152100, LOC_Os06g05880)

Product Gene Name
Os06g0152100 recombinant protein

Product Synonym Gene Name
Os06g0152100; LOC_Os06g05880

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

Sequence
SWQAYVDDHL MCEIDGNHLT AAAIVGHDGS VWAQSPNFPQ YKPEEITGIM KDFDEPGSLA PTGLFLGGTK YMVIQGEPGV VIRGKKGTGG ICVKKTGLSL ILGIYDEPMT PGQCNMIVER LGDYLIEQGC

Sequence Positions
2-131, 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
14,133 Da

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

NCBI Accession
XP_015642483.1

NCBI GI
1002276283

NCBI GenBank Nucleotide
XM_015786997.1

NCBI GeneID
4340155

NCBI Official Full Name

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

Profilin LP04 (Os06g0152100, LOC_Os06g05880), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP14496*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

profilin LP04

NCBI Official Symbol
LOC4340155

NCBI Official Synonym Symbols
OsJ_019338

NCBI Protein Information
profilin LP04

UniProt Gene Name
Os06g0152100

UniProt Protein Name
Profilin LP04

UniProt Primary Accession
Q5VMJ3

UniProt Secondary Accession
B7E355

UniProt Related Accession
Q5VMJ3

UniProt Comments
Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG .

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/