

Probable mannan synthase 4 (CSLA4), Recombinant Protein

Cat *RP12815*

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

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Probable mannan synthase 4 (CSLA4)

Product Gene Name

CSLA4 recombinant protein

Purity

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

Sequence

MEGQWGRWRL AAAAAASSSG DQIAAAWAVV RARAVAPVLQ FAVWACMAMS VMLVLEVAYM SLVSLVAVKL
LRRVPERRYK WEPITTGSGG VGGGDGEDEE AATGGREAAA FPMVLVQIPM YNEKEVYKLS IGAACALTWP
PDRIIIQVLD DSTDPAIKDL VELECKDWAR KEINIKYEIR DNRKGYKAGA LKKGMEHIYT QQCDFVAIFD
ADFQPESDFL LKTIPFLVHN PKIGLVQTRW EFVNYDVCLM TRIQKMSLDY HFKVEQESGS SMHSFFGFNG
TAGVWRVSAI NEAGGWKDRT TVEDMDLAVR ASLKGWQFLY VGDIRVKSEL PSTFKAYRHQ QHRWTCGAAN
LFRKMATEIA KNKGVS VWKK LHLLYSFFFV RRVVAPILTF LFYCVVIPLS VMVPEVSIPV WGMVYIPTAI
TIMNAIRNPG SIHLMPFWIL FENVAMHRM RAALTGLLET MNVNQWVTE KVG D H V K D K L E V P L L E P L K P
TDCVERIYIP ELMVAFYLLV CASYDLVLGA KHYYLYIYLQ AFAFIALGFG FAGTSTPCS

Sequence Positions

1-549aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

61,889 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

Probable mannan synthase

NCBI Accession

XP_015630733.1

NCBI GI

1002252996

NCBI GenBank Nucleotide

XM_015775247.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Probable mannan synthase 4 (CSLA4), Recombinant Protein

Cat *RP12815*

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

NCBI GeneID

4331764

NCBI Official Full Name

probable mannan synthase 4

NCBI Official Symbol

LOC4331764

NCBI Official Synonym Symbols

CSLA4; OsCslA4; OsJ_009219

NCBI Protein Information

probable mannan synthase 4; Cellulose synthase-like protein A4; LOC_Os03g07350; OSJNBa0091P11.21; Os03g0169500

UniProt Gene Name

CSLA4

UniProt Protein Name

Probable mannan synthase 4

UniProt Synonym Protein Names

Cellulose synthase-like protein A4; OsCslA4

UniProt Entry Name

CSLA4_ORYSJ

UniProt Primary Accession

Q8S7W0

UniProt Secondary Accession

Q0DUS4; Q10R71; Q7PC74; A0A0P0VTN5; A3AEJ7; B9FBJ8

UniProt Related Accession

Q8S7W0

UniProt Comments

Probable mannan synthase which consists of a 4-beta-mannosyltransferase activity on mannan using GDP-mannose. The beta-1,4-mannan product is the backbone for galactomannan synthesis by galactomannan galactosyltransferase. Galactomannan is a noncellulosic polysaccharides of plant cell wall .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY