

WUSCHEL-related homeobox 11 (WOX11), Recombinant Protein

Cat RP12520

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)
Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica WUSCHEL-related homeobox 11 (WOX11)

Product Gene Name

WOX11 recombinant protein

Product Synonym Gene Name

WOX11

Purity

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

Sequence

MDGGHSPDRH AAAAAGEPVR SRWTPKPEQI LILESIFNSG MVNPPKDETV RIRKLLERFG AVGDANVFYW
FQNRRSRRR RQRQLQAQAQ AAAAAASSGS PPTASSGGLA PGHAGSPASS LGMFAHGAAG YSSSSSSSWP
SSPPSVGMMM GDVDYGGGGD DLFAISRQMG YMDGGGGSSS SAAAGQHQQQ QLYYSCQPAT
MTVFINGVAT EVPRGPIDLR SMFGQDVMLV HSTGALLPAN EYGILLHSLQ MGESYFLVTR SS

Sequence Positions

1-262, 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

27,588 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

WUSCHEL-related homeobox

NCBI Accession

XP_015645719.1

NCBI GI

1002282850

NCBI GenBank Nucleotide

XM_015790233.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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4344325 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

WUSCHEL-related homeobox 11

NCBI Official Symbol

LOC4344325

NCBI Official Synonym Symbols

WOX11; OsWOX11; OsJ_25623

NCBI Protein Information

WUSCHEL-related homeobox 11

UniProt Gene Name

WOX11

UniProt Synonym Gene Names

OsWOX11

UniProt Protein Name

WUSCHEL-related homeobox 11

UniProt Primary Accession

Q0D3I7

UniProt Secondary Accession

B7E8P2

UniProt Related Accession

Q0D3I7

UniProt Comments

Transcription factor which may be involved in developmental processes . Promotes the development of crown roots (both initiation and elongation), main components of the fibrous root system, by regulating the expression of genes required for crown root development and hormone-responsive genes involved in cytokinin (e.g. RR1, RR2, RR3 and RR4) and auxin (e.g. IAA5, IAA11, IAA23 and IAA31) signaling (PubMed:26307379).

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