

CLAVATA3/ESR (CLE)-related protein 21 (CLE21), Recombinant Protein

Cat RP04805

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

Species *Arabidopsis thaliana* (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* CLAVATA3/ESR (CLE)-related protein 21 (CLE21)

Product Gene Name

CLE21 recombinant protein

Product Synonym Gene Name

CLE21

Purity

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

Sequence

SSIQAGRFMT TGRNRNLSVA RSLYYKNHHK VVITEMSNFN KVRRRSSRFR RKTDGDEEEE EKRSIPTGPN
PLHNK

Sequence Positions

32-106, 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

12,377 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

CLAVATA3/ESR (CLE)-related protein

NCBI Accession

NP_001318877.1

NCBI GI

1063743248

NCBI GenBank Nucleotide

NM_001345649.1

NCBI GenelD

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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28721288 (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

NCBI Official Full Name
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

CLAVATA3/ESR-RELATED 21

NCBI Official Symbol

CLE21

NCBI Official Synonym Symbols

CLAVATA3/ESR-RELATED 21; MXK3.2; MXK3_2

NCBI Protein Information

CLAVATA3/ESR-RELATED 21

NCBI Summary

Member of a large family of putative ligands homologous to the Clavata3 gene. Consists of a single exon.

UniProt Gene Name

CLE21

UniProt Protein Name

CLAVATA3/ESR (CLE)-related protein 21

UniProt Primary Accession

Q9LV97

UniProt Related Accession

Q9LV97

UniProt Comments

Extracellular signal peptide that regulates cell fate. Represses root apical meristem maintenance.

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