

E3 ubiquitin protein ligase DRIP2 (DRIP2), Recombinant Protein

Cat RP05446

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)
Species Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana E3 ubiquitin protein ligase DRIP2 (DRIP2)

Product Gene Name

DRIP2 recombinant protein

Product Synonym Gene Name

DRIP2

Purity

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

Sequence

MEGDMVAKVK RETVVACMTC PLCDKLLRDA TTISECLHTF CRKCIYEKIT EDEIESCPVC DIDLGGTPLE
KLRPDHILQD LRAKLFPLKR KKERAPEVVS SISLPAKRKE RSISLVVST PRVSAQAGTT GKRTKAATRK
DVRGSGSFTK RTVKKEEEFG DDHVESASSP ETLKKFTQNK RQSSYANPNQ SLSNRRNKDV DEPWDSKLHL
WKPLNFLVDV ANGTDKPKSE LGNASHNDVQ GSKTKTKDHK RKCKLEEEIS NNGDPTTSET ATLKRTRRTR
RKRSSTFGDS RIPLPGAAS LKQERRNGHV WFSLVASSNQ EGEASLPQIP ANYLRIRDGN IPVSFIQKYL
MRKLDLKSED EVEITCMGEP VIPTLQLHSL VDLWLETTSK HQRVAASIGS SAKEFVMVLV YSRKLPECNN

Sequence Positions

1-420, 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

47,190 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

E3 ubiquitin protein ligase

NCBI Accession

NP_001323803.1

NCBI GI

1063705319

NCBI GenBank Nucleotide

NM_001336273.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

NCBI GeneID

817608

NCBI Official Full Name

DREB2A-interacting protein 2

NCBI Official Symbol

DRIP2

NCBI Official Synonym Symbols

BMI1A; DREB2A-interacting protein 2; T6B20.7; T6B20_7

NCBI Protein Information

DREB2A-interacting protein 2

NCBI Summary

Encodes a C3HC4 RING-domain-containing ubiquitin E3 ligase capable of interacting with DREB2A. DRIP2 seems to be involved in regulating stress-related transcriptional changes and drought tolerance.

UniProt Gene Name

DRIP2

UniProt Protein Name

E3 ubiquitin protein ligase DRIP2

UniProt Synonym Protein Names

DREB2A-interacting protein 2; RING-type E3 ubiquitin transferase DRIP2Curated

UniProt Primary Accession

Q94AY3

UniProt Secondary Accession

O04337

UniProt Related Accession

Q94AY3

UniProt Comments

E3 ubiquitin-protein ligase that acts as a negative regulator of the response to water stress. Mediates ubiquitination and subsequent proteasomal degradation of the drought-induced transcriptional activator DREB2A. Functionally redundant with DRIP1.

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