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Datasheet for ABIN1047713

VIRD2 Protein (AA 1-424) (His tag)

1 Image

2 Publications

Overview

Quantity:	200 µg
Target:	VIRD2
Protein Characteristics:	AA 1-424
Origin:	Rhizobium
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This VIRD2 protein is labelled with His tag.
Application:	ELISA, SDS-PAGE (SDS)

Product Details

Sequence: MPDRAQVIIR IVPGGGTKL QQIINQLEYL SRKGRLELQR SARHLDIPLP PDQIHELARS
WVQETGTYDE SQPDEERQQE LTTHIIVSFP AGTSQVAAYA ASREWAAEMF GSGAGGGRYN
YLTAFHIDRD HPHLHVVVNR RELLGHGWLK ISRRHPQLNY DALRIKMAEI SLRHGIALDA
SRRRAERGITE RPITYAQYRR LEREQARQIR FEDADLEQSS PQGDHPEFSQ PFDTSPFEAS
AGGPEDMPRP NNRQNESQVH LQEPAGVSNE AGVLVRVALE TERLAQPFVS ETILADDIGS
GSSRVAEGRV ESANRTPDIP RAATEAATHT THDRQRRAKR PHDDDGGPSG AKRVTLEGIA
VGPQANAGEQ DGSSGPLVRQ AGTSRPSPT ATTRASTATD SLSATAHLQQ RRGVLSKRPR
EDDDGEPSEK KRRERDERSKD GRGGNRR

Characteristics: Tumor formation by *A.tumefaciens* involves the transfer and integration of a defined segment (T-DNA) of Ti plasmid DNA into the plant nuclear genome. The *virD* operon encodes a site-specific endonuclease that cleaves at a unique site within both 24 bp direct repeats flanking the T-DNA.

Product Details

Purity: 90 %

Target Details

Target: VIRD2

Alternative Name: T-DNA border endonuclease virD2 ([VIRD2 Products](#))

Molecular Weight: 53.6 kD

UniProt: [P18592](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

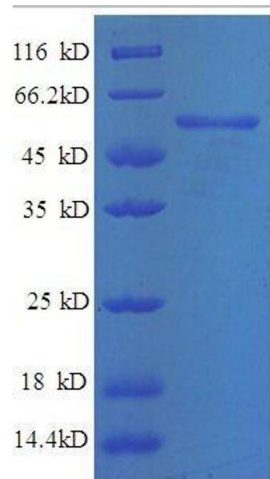
Buffer: 20mM Tris-HCl, 0.5M NaCl, 10% glycerin, PH 8.0, 200 mM Imidazole

Storage: -20 °C

Publications

Product cited in: Rogowsky, Powell, Shirasu, Lin, Morel, Zyprian, Steck, Kado: "Molecular characterization of the vir regulon of *Agrobacterium tumefaciens*: complete nucleotide sequence and gene organization of the 28.63-kbp regulon cloned as a single unit." in: **Plasmid**, Vol. 23, Issue 2, pp. 85-106, (1990) ([PubMed](#)).

Hagiya, Close, Tait, Kado: "Identification of pTiC58 plasmid-encoded proteins for virulence in *Agrobacterium tumefaciens*." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 82, Issue 9, pp. 2669-73, (1985) ([PubMed](#)).



SDS-PAGE

Image 1. Endonuclease, VIRD2 (VIRD2) (AA 1-447), (full length) protein (His tag)