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Datasheet for ABIN5713142

PAP Associated Domain Containing 7 (PAPD7) (AA 723-1012), (partial) protein (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	PAP Associated Domain Containing 7 (PAPD7)
Protein Characteristics:	AA 723-1012, partial
Origin:	Infectious Bursal Disease Virus (IBDV)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	RFPHNPRDWD RLPYLNLPYL PPNAGRQYHL AMAASEFKET PELESAVRAM EAAANVDPLF QSALSVFMWL EENGIVTDMA NFALSDPNAH RMRNFLANAP QAGSKSQRAK YGTAGYGVEA RGPTPEEAQR EKDTRISKKM ETMGIYFATP EWVALNGHRG PSPGQLKYWQ NTREIPDPNE DYLDYVHAEK SRLASEEQIL RAATSIYGAP GQAEPPQAFI DEVAKVYEIN HGRGPNQEQM KDLLLTAMEM KHRNPRRALP KPKPKPNAPT QRPPGRLGRW IRTVSDEDLE
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	PAP Associated Domain Containing 7 (PAPD7)
Alternative Name:	POLS (PAPD7 Products)

Target Details

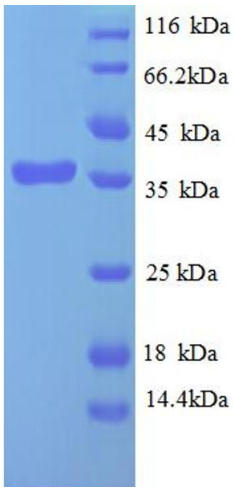
Target Type:	Viral Protein
Background:	Capsid protein VP2 self assbles to form an icosahedral capsid with a T=13 symmetry, about 70 nm in diameter, and consisting of 260 VP2 trimers. The capsid encapsulates the genomic dsRNA. VP2 is also involved in attachment and entry into the host cell by interacting with host ITGA4/ITGB1 .The precursor of VP2 plays an important role in capsid assbly. First, pre-VP2 and VP2 oligomers assble to form a procapsid. Then, the pre-VP2 intermediates may be processed into VP2 proteins by proteolytic cleavage mediated by VP4 to obtain the mature virion. The final capsid is composed of pentamers and hexamers but VP2 has a natural tendency to assble into all-pentameric structures. Therefore pre-VP2 may be required to allow formation of the hexameric structures .Protease VP4 is a serine protease that cleaves the polyprotein into its final products. Pre-VP2 is first partially cleaved, and may be completely processed by VP4 upon capsid maturation..
Molecular Weight:	36.9 kDa
UniProt:	P15480

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	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.



SDS-PAGE

Image 1.

