Datasheet for ABIN7505314

E2F2 Protein (AA 65-437) (His tag)

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Overview

Quantity:	100 µg
Target:	E2F2
Protein Characteristics:	AA 65-437
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This E2F2 protein is labelled with His tag.

Product Details

Sequence:	Ala 65-Asn 437
Characteristics:	A DNA sequence encoding the Human E2F2 protein (Q14209) (Ala 65-Asn 437) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	E2F2
Alternative Name:	E2F2 (E2F2 Products)
Background:	Abbreviation: E2F2 Target Synonym: Transcription factor E2F2,E2F2, Background: E2F-2 (viral E2-associated factor 2) is a 50?55 kDa member of the E2F/DP family of transcription factors. It is principally expressed by placenta, and forms a DNA?activating E2F

Target Details

	heterodimeric complex with DP-1 or -2. This complex, when active, promotes cell cycle progression. In quiescent cells, association with the retinoblastoma-tumor suppressor gene product termed pRB suppresses its activity. Human E2F?2 is 437 amino acids (aa) in length and contains a CDK2 binding region (aa 65?105), a DNA?binding domain (aa 107?196), a dimerization segment (aa 197?289), a transactivation region (aa 359?437), and a pRB binding domain (aa 410?427). There are two potential alternate start sites at Met197 and Met342, and one splice variant that shows a two aa substitution for aa 349?437.
Molecular Weight:	Calculated MW: 40.92 kDa Observed MW: 55 kDa
UniProt:	Q14209
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases, DNA Replication

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months