Recombinant Human E2F2 protein (His tag)

Catalog Number:PDEH100410

Note: Centrifuge before opening to ensure complete recovery of vial contents.

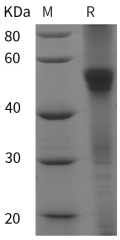
Description

Synonyms	Transcription factor E2F2;E2F2;
Species	Human
Expression Host	E.coli
Sequence	Ala 65-Asn 437
Accession	Q14209
Calculated Molecular Weight	40.9 kDa
Observed molecular weight	55 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

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