

Biotinylated E2F1-S337 Phospho Peptide
Synthetic Peptide
Catalog # SP2034b

Specification

Biotinylated E2F1-S337 Phospho Peptide - Product Information

Primary Accession Sequence

[Q01094](#)
Biotin-IVSPPPS(pS)PPSSLTT

Biotinylated E2F1-S337 Phospho Peptide - Additional Information

Gene ID 1869

Other Names

Transcription factor E2F1, E2F-1, PBR3, Retinoblastoma-associated protein 1, RBAP-1, Retinoblastoma-binding protein 3, RBBP-3, pRB-binding protein E2F-1, E2F1, RBBP3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Biotinylated E2F1-S337 Phospho Peptide - Protein Information

Name E2F1 {ECO:0000303|PubMed:8964493, ECO:0000312|HGNC:HGNC:3113}

Function

Transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication (PubMed:10675335, PubMed:12717439, PubMed:17704056, PubMed:17050006, PubMed:18625225, PubMed:28992046). The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase (PubMed:10675335, PubMed:12717439, PubMed:17704056). E2F1 binds preferentially RB1 in a cell-cycle dependent manner (PubMed:10675335, PubMed:12717439, PubMed:17704056).

[17704056](http://www.uniprot.org/citations/17704056)). It can mediate both cell proliferation and TP53/p53- dependent apoptosis (PubMed:[8170954](http://www.uniprot.org/citations/8170954)). Blocks adipocyte differentiation by binding to specific promoters repressing CEBPA binding to its target gene promoters (PubMed:[20176812](http://www.uniprot.org/citations/20176812)). Directly activates transcription of PEG10 (PubMed:[17050006](http://www.uniprot.org/citations/17050006), PubMed:[18625225](http://www.uniprot.org/citations/18625225), PubMed:[28992046](http://www.uniprot.org/citations/28992046)). Positively regulates transcription of RRP1B (PubMed:[20040599](http://www.uniprot.org/citations/20040599)).

Cellular Location

Nucleus

Biotinylated E2F1-S337 Phospho Peptide - Images