

Recombinant Human Transcription factor E2F6(E2F6)

Catalog No: #AP76791



Package Size: #AP76791-1 20ug #AP76791-2 100ug #AP76791-3 1mg

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Description

Product Name	Recombinant Human Transcription factor E2F6(E2F6)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-281aaSequence Info:Full Length
Accession No.	O75461
Uniprot	O75461
GeneID	1876;
Calculated MW	58.8 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MSQQRPAKLPKSLLLDPTEETVRRRCRDPINVEGLLPSKIRINLEDNVQYVSMRKALKVKRPRFDVSLVYLTRK FMDLVRSAPEGGILDNLNKVATKLGVRKRRVYDITNVLDGIDLVEKSKNHIRWIGSDLSNFGAVPQQKKLQEELS DLSAMEDALDELIKDCAQQLFELTDDKENERLAYVTYQDIHSIQAFHEQIVIAVKAPAETRLDVPAPREDSITVHI RSTNGPIDVYLCEVEQGQTSNKRSEGVGTSSSESTHPEGPEEEENPQQSEELLEVS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Inhibitor of E2F-dependent transcription. Binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3'. Has a preference for the 5'-TTTCCC-3' E2F recognition site. E2F6 lacks the transcriptional activation and pocket protein binding domains. Appears to regulate a subset of E2F-dependent genes whose products are required for entry into the cell cycle but not for normal cell cycle progression. May silence expression via the recruitment of a chromatin remodeling complex containing histone H3-K9 methyltransferase activity. Overexpression delays the exit of cells from the S-phase.

References

"Unusual proliferation arrest and transcriptional control properties of a newly discovered E2F family member, E2F-6."

Gaubatz S., Wood J.G., Livingston D.M.

Proc. Natl. Acad. Sci. U.S.A. 95:9190-9195(1998) Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only