

Recombinant Human Deoxynucleotidyltransferase terminal-interacting protein 1(DNTTIP1)

Catalog No: #AP70242

Package Size: #AP70242-1 20ug #AP70242-2 100ug #AP70242-3 1mg

Description

Product Name	Recombinant Human Deoxynucleotidyltransferase terminal-interacting protein 1(DNTTIP1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-329aaSequence Info:Full Length
Other Names	Terminal deoxynucleotidyltransferase-interacting factor 1
Accession No.	Q9H147
Calculated MW	41 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MGATGDAEQPRGPSGAERGGLELGDAAGQLVLTNPWNIMIKHRQVQRRGRRSQMTTSFTDPAISMDLLR AVLQPSINEEIQTTFNKYMKFFQKAALNVRDNGVEEVDAEQLIQEACRSCLEQAKLLFSDGEKVIPRLTHELPGI KRGRQAEEECAHRGSPLPKKRKGRPPGHILSSDRAAAGMVWPKSCEPIRREGPKWDPARLNESTTFVLGS RANKALGMGGTRGRIYIKPHLFKYAADPQDKHWLAEQHHMRATGCGKMYLLIEEDIRDLAASDDYRGCLDL KLEELKSFVLPSPWMVEKMRKYMETLRTENEHRAVEAPPQT
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

Increases DNTT terminal deoxynucleotidyltransferase activity (in vitro) . Also acts as a transcriptional regulator, binding to the consensus sequence 5'-GNTGCATG-3' following an AT-tract. Associates with RAB20 promoter and positively regulates its transcription. Binds DNA and nucleosomes; may recruit HDAC1 complexes to nucleosomes or naked DNA.

References

The DNA sequence and comparative analysis of human chromosome 20.Deloukas P., Matthews L.H., Ashurst J.L., Burton J., Gilbert J.G.R., Jones M., Stavrides G., Almeida J.P., Babbage A.K., Bagguley C.L., Bailey J., Barlow K.F., Bates K.N., Beard L.M., Beare D.M., Beasley O.P., Bird C.P., Blakey S.E. , Bridgeman A.M., Brown A.J., Buck D., Burrill W.D., Butler A.P., Carder C., Carter N.P., Chapman J.C., Clamp M., Clark G., Clark L.N., Clark S.Y., Clee C.M., Clegg S., Cobley V.E., Collier R.E., Connor R.E., Corby N.R., Coulson A., Coville G.J., Deadman R., Dhami P.D., Dunn M., Ellington A.G., Frankland J.A., Fraser A., French L., Garner P., Grafham D.V., Griffiths C., Griffiths M.N.D., Gwilliam R., Hall R.E., Hammond S., Harley J.L., Heath P.D., Ho S., Holden J.L., Howden P.J., Huckle E., Hunt A.R., Hunt S.E., Jekosch K., Johnson C.M., Johnson D., Kay M.P., Kimberley A.M., King A., Knights A., Laird G.K., Lawlor S., Lehvaeslaiho M.H., Leversha M.A., Lloyd C., Lloyd D.M., Lovell J.D., Marsh V.L., Martin S.L., McConnachie L.J., McLay K., McMurray A.A., Milne S.A., Mistry D., Moore M.J.F., Mullikin J.C., Nickerson T., Oliver K., Parker A., Patel R., Pearce T.A.V., Peck A.I., Phillimore B.J.C.T., Prathalingam S.R., Plumb R.W., Ramsay H., Rice C.M., Ross M.T., Scott C.E., Sehra H.K., Shownkeen R., Sims S., Skuce C.D., Smith M.L., Soderlund C., Steward C.A., Sulston J.E., Swann R.M., Sycamore N., Taylor R., Tee L., Thomas D.W., Thorpe

Note: This product is for in vitro research use only and is not intended for use in humans or animals.