

NT5M, 32-228aa, Human, His tag, E.coli

Cat.NO.: TP03210

3th Edition

Synonyms:5' (3')-deoxyribonucleotidase, mitochondrial, DNT2.

Description:NT5M, also known as DNT2, belongs to the 5'(3')-deoxyribonucleotidase family. It localizes to the mitochondrial matrix. This enzyme dephosphorylates the 5'- and 2'(3')-phosphates of uracil and thymine deoxyribonucleotides. The gene is located on chromosome 17 p11.2 in the critical region deleted in the Smith-Magenis syndrome (SMS), a genetic disease of unknown etiology.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight:25.1 kDa (218aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGGRALRVLVDMDGVLADFEFGFLRKFRARFPDQPFIALEDRRGFVWSEYQYGR
LRPGLSEKAISIWESKNFFFELEPLPGAVEAVKEMASLQNTDVFICTSPIKMFKYCPYEKYAWVEKYFGPDFLEQIVL
TRDKTVVSADLLIDDRPDITGAEPTPSWEHVLFTACHNQLQLQPPRRRLHSWADDWKAILDSKRPC

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.