

NUDT3, 1-172aa, Human, His tag, E.coli

Cat.NO.: TP03229

3th Edition

Synonyms:Nudix (nucleoside diphosphate linked moiety X)-type motif 3, DIPP, DIPP1

Description:NUDT3, also known as DIPP, DIPP1 (diphosphoinositol polyphosphate phosphohydrolase 1), is a 172 amino acid cytoplasmic protein belonging to the nudix hydrolase family and DIPP subfamily. NUDT3 acts as a negative regulator of the ERK 1/2 pathway and hydrolyzes 5-phosphoribose 1-diphosphate. NUDT3 exists as a monomer and binds magnesium as a cofactor.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl,5mM DTT, 20% glycerol

Molecular Weight:21.6 kDa (192aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMMKLKSNQTRTYDGDGYKKRAACLFRSESEEEVLLVSSSRHPDRWIVPGGGM
EPEEESVAAVREVCEEAGVKGTGRLVGIFENQERKHRTYVYVLIVTEVLEDWEDSVNIGRKREWFKIEDAIKVLQ
YHKPVQASYFETLRQGYSANNGTPVVATTYSVSAQSSMSGIR

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.