

NUDT10, 1-164aa, Human, His tag, E.coli

Cat.NO.: TP03223

3th Edition

Synonyms:Diphosphoinositol polyphosphate phosphohydrolase 3-alpha, APS2, DIPP3a, hDIPP3alpha

Description:NUDT10, also known as APS2 or DIPP3?, is a member of the Nudix hydrolase family of pyrophosphatases. Nudix hydrolases contain a characteristic Nudix domain and are responsible for catalyzing the hydrolysis of nucleoside diphosphate derivatives. It functions as a manganese-dependent polyphosphate phosphohydrolase with an optimum pH of 8.5. This protein specifically metabolizes diadenosine-polyphosphates and, to a lesser extent, diphosphoinositol polyphosphates.

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

Molecular Weight:19.5 kDa (172aa) confirmed by MALDI-TOF

Sequences:

MKCKPNQTRTYDPEGFKKRAACLFRSEREDEVLLVSSSRYPDRWIVPGGGMEPEEEPPGGAAVREVVYEEAGVKG
KLGRLLVFEQNQDPKHRTYVYVLTVTELLEDWEDSVSIGRKREWFKVEDAIKVLQCHKPVHAEYLEKCLKLGGSP
NGNSMAPSSPDSDPLEHHHHHH

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.