

32-2627: NUDT3 Recombinant Protein

Alternative Name : Diphosphoinositol polyphosphate phosphohydrolase 1,DIPP-1,Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 1,Nucleoside diphosphate-linked moiety X motif 3,Nudix motif 3,NUDT3,DIPP,DIPP1.

Description

Source : Escherichia Coli. NUDT3 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 192 amino acids (1-172 a.a.) and having a molecular mass of 21.6kDa. The NUDT3 is purified by proprietary chromatographic techniques. NUDT3 is a 172 amino acid cytoplasmic protein which is a member of the nudix hydrolase family and DIPP subfamily. NUDT3 functions as a negative regulator of the ERK 1/2 pathway and hydrolyzes 5-phosphoribose 1-diphosphate. NUDT3 is a monomer which binds magnesium as a cofactor. In addition, NUDT3 is widely expressed but can be found at highest levels in the liver, pancreas, brain and heart.

Product Info

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| Amount : | 10 µg |
| Purification : | Greater than 95.0% as determined by SDS-PAGE. |
| Content : | The NUDT3 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol. |
| Storage condition : | NUDT3 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. |
| Amino Acid : | MGSSHHHHHH SSGLVPRGSH MMKLKSNQTR TYDGDGYKKR AACLCFRSES EEEVLLVSSS RHPDRWIVPG GGMEPEEEPS VAAVREVCEE AGVKGTGLRL VGIFENQERK HRTYVYVLIV TEVLEDWEDS VNIGRKREWF KIEDAIKVLQ YHKPVQASYF ETLRQGYSAN NGTPVVATTY SVSAQSSMSG IR. |

