

NUDT3 Human

Description: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.

Catalog #:ENPS-078

For research use only.

Synonyms: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.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MMKLKSNQTR TYDGDGYKKR
AACLFRSES EEEVLLVSSS RHPDRWIVPG GGMEPEEEPS VAAVREVCCE AGVKGTGLRL
VGIFENQERK HRTYVYVLIV TEVLEDWEDS VNIGRKREWF KIEDAIKVLQ YHKPVQASYF
ETLRQGYSAN NGTPVVATTY SVSAQSSMSG IR.

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The NUDT3 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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