

Product datasheet for PH300194

NT5C2 (NM_012229) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | NT5C2 MS Standard C13 and N15-labeled recombinant protein (NP_036361) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC200194 |
| Predicted MW: | 65 kDa |
| Protein Sequence: | >RC200194 protein sequence Red=Cloning site Green=Tags(s) |

MSTSWSDR LQNAADMPANMDKHALKKYRREAYHRVFNRS LAMEKIKCFGDMDYTLAVYKSPEYESLGF
ELTVERLV SIGYPQELL SFAYDSTFPTRGLVFD TLYGNLLKVDA YGNLLVCAHG FNFIRGPETREQYPNK
FIQRDDTERFYILN TLFNLPETYLLACL VDFFTNCPRYT SCETGFKDGLFMSYRSMFQDVRDAVDVWHY
KGS LKEKTVENLEKYVVKDGKLP LLLSRMKEVGKVFLATNSDYKYTDKIMTYL FDFPHGPKPGSSHRPWQ
SYFDLILVDARKPLFFGEGTVLRQVDTKTGK LKIGTYTGPLQHGI VYSGGSDTICDLLGAKGKDILYIG
DHIFGDILKSKKRQGWRTFLVIP ELAQELHVWTDKSSLFEELQSLDIFLAELYKHL DSSSNERPDISSIQ
RRIKKVTHDMDMCYGMGSLFRSGSRQTLFASQVMRYADLYAASF INLLYYPFSYL FRAAHV LMPHESTV
EHTHVDINEMESPLATRNRTSVDFKDTDYKRHQL TRSISEIKPPNLFPLAPQEITHCHDEDDDEEEEEEE
E

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

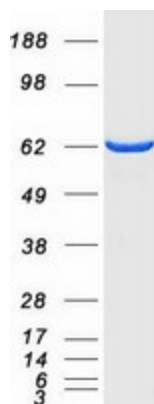
| | |
|------------------|--|
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_036361 |
| RefSeq Size: | 3551 |
| RefSeq ORF: | 1686 |



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|--------------------------|---|
| Synonyms: | cN-II; GMP; NT5B; PNT5; SPG45; SPG65 |
| Locus ID: | 22978 |
| UniProt ID: | P49902 , A0A384MED8 |
| Cytogenetics: | 10q24.32-q24.33 |
| Summary: | This gene encodes a hydrolase that serves as an important role in cellular purine metabolism by acting primarily on inosine 5'-monophosphate and other purine nucleotides. [provided by RefSeq, Oct 2011] |
| Protein Pathways: | Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism |

Product images:



Coomassie blue staining of purified NT5C2 protein (Cat# [TP300194]). The protein was produced from HEK293T cells transfected with NT5C2 cDNA clone (Cat# [RC200194]) using MegaTran 2.0 (Cat# [TT210002]).