

Product datasheet for PH301954

NBL1 (NM_005380) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NBL1 MS Standard C13 and N15-labeled recombinant protein (NP_005371)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201954
Predicted MW:	19.3 kDa
Protein Sequence:	>RC201954 protein sequence Red=Cloning site Green=Tags(s) MLRVLVGAVLPAMLLAAPPINKLALFPDKSAWCEAKNITQIVGHSGCEAKSIQNRACLGQCFSYSVPNT FPQSTESLVHCDSCMPAQSMWEIVTLECPGHEEVPRVDKLVKILHCSCQACGKEPSHEGLSVYVQGEDG PGSQPGTHPHPHPHPGGQTPEPEDPPGAPHTEEEGAED 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_005371
RefSeq Size:	2184
RefSeq ORF:	540
Synonyms:	D1S1733E; DAN; DAND1; NB; NO3
Locus ID:	4681
UniProt ID:	P41271



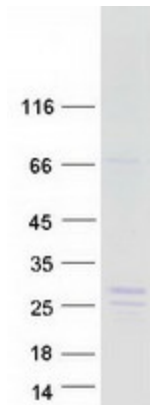
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Cytogenetics: 1p36.13

Summary: This gene product is the founding member of the evolutionarily conserved CAN (Cerberus and DAN) family of proteins, which contain a domain resembling the CTCK (C-terminal cystine knot-like) motif found in a number of signaling molecules. These proteins are secreted, and act as BMP (bone morphogenetic protein) antagonists by binding to BMPs and preventing them from interacting with their receptors. They may thus play an important role during growth and development. Alternatively spliced transcript variants have been identified for this gene. Read-through transcripts between this locus and the upstream mitochondrial inner membrane organizing system 1 gene (GeneID 440574) have been observed. [provided by RefSeq, May 2013]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified NBL1 protein (Cat# [TP301954]). The protein was produced from HEK293T cells transfected with NBL1 cDNA clone (Cat# [RC201954]) using MegaTran 2.0 (Cat# [TT210002]).