

Product datasheet for PH311434

PRDM12 (NM_021619) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRDM12 MS Standard C13 and N15-labeled recombinant protein (NP_067632)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211434
Predicted MW:	40.2 kDa
Protein Sequence:	>RC211434 representing NM_021619 Red=Cloning site Green=Tags(s)

MMGSVLP AEALVLK TGLKAPGLALAEVITSDILHSFLYGRWRNVLGEQLFEDKSHHASP KTAFTA EVLAQ
SFSGEVQKLSSLVLP AEVIAQSSIPGEG LGIFSKTWIKAGTEMGPFTGRVIAPEHVDICKNNLMWEVF
NEDGTVRYFIDASQEDHRSWMTYIKCARNEQEQNLEVVQIGTSIFYKAIEMIPPDQELLVWYGN SHNTFL
GIPGVPGLEEDQKKNKHEDFHPADSAAGPAGRMRCVICHRGFNSRSNLRSHMRIHTL DKPFVCRFCNRRF
SQSSTLRNHVRLHTGERPYKCQVCQSAYSQLAGLRAHQKSARHRPPSTALQAHSPALPAPHAHAPALAAA
AAAAAAAAAHHLPAMVL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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_067632
RefSeq Size:	2492
RefSeq ORF:	1101
Synonyms:	HSAN8; PFM9
Locus ID:	59335



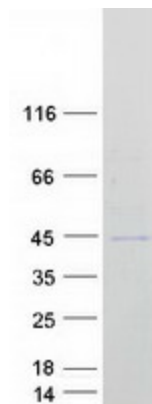
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UniProt ID: [Q9H4Q4](#)

Cytogenetics: 9q34.12

Summary: This gene encodes a transcriptional regulator of sensory neuronal specification that plays a critical role in pain perception. The encoded protein contains an N-terminal PRDI-BF1 and RIZ homology (PR) domain, a SET domain, and three C-terminal C2H2 zinc finger DNA-binding domains. Naturally occurring mutations in this gene are associated with congenital insensitivity to pain (CIP), and hereditary sensory and autonomic neuropathies (HSAN's) affecting peripheral sensory and autonomic neurons. Deregulation of this gene is associated with solid cancers and hematological malignancies including chronic myeloid leukaemia. [provided by RefSeq, Mar 2017]

Product images:



Coomassie blue staining of purified PRDM12 protein (Cat# [TP311434]). The protein was produced from HEK293T cells transfected with PRDM12 cDNA clone (Cat# [RC211434]) using MegaTran 2.0 (Cat# [TT210002]).