Recombinant Full Length Human PRDM12 Protein, C-Flag-tagged

Cat. No. PRDM12-802HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PRDM12 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	40.2 kDa
AA Sequence	MMGSVLPAEALVLKTGLKAPGLALAEVITSDILHSFLYGRWRNVLGEQLFEDKSHHA SPKTAFTAEVLAQ SFSGEVQKLSSLVLPAEVIIAQSSIPGEGLGIFSKTWIKAGTEMG PFTGRVIAPEHVDICKNNNLMWEVF NEDGTVRYFIDASQEDHRSWMTYIKCARNEQ EQNLEVVQIGTSIFYKAIEMIPPDQELLVWYGNSHNTFL GIPGVPGLEEDQKKNKHE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

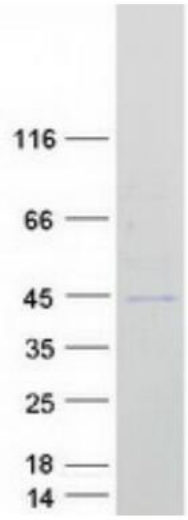
	DFHPADSAAGPAGRMRCVICHRGFNSRSNLRSHMRIHTLDKPFVCRFCNRRF SQS STLRNHVRLHTGERPYKCQVCQSAYSQLAGLRAHQKSARHRPPSTALQAHSPALP APHAHAPALAAA AAAAAAAAAHHLPAMVLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	PRDM12 PR/SET domain 12 [Homo sapiens (human)]
Official Symbol	PRDM12
Synonyms	PFM9; HSAN8
Gene ID	59335
mRNA Refseq	NM_021619.3

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Protein Refseq	NP_067632.2
MIM	616458
UniProt ID	Q9H4Q4



Coomassie blue staining of purified PRDM12 protein.

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