

## Product datasheet for PH306013

### SAMHD1 (NM\_015474) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SAMHD1 MS Standard C13 and N15-labeled recombinant protein (NP_056289)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206013
Predicted MW:	72.3 kDa
Protein Sequence:	>RC206013 protein sequence Red=Cloning site Green=Tags(s)

MQRADSEQPSKRPRCDDSPRTPSNTPSAEADWSPGLELHPDYKTWGPEQVCSFLRRGGFEFPVLLKNIRE  
NEITGALLPCLDESRFENLGVSSLGERKLLSYIQRLVQIHVDTMKVINDPIHGHIELHPLLVRIIDTPQ  
FQRLRYIKQLGGGYYVFPGASHNRFHSLGVGYLAGCLVHALGEKQPELQISERDVLVQIAGLCHDLGH  
GPFSHMFDGRFIPLARPEVKWTHEQGSVMMFEHLINSNGIKPVMEQYGLIPEEDICFKEQIVGPLESPV  
EDSLWPYKGRPENKSFLYEIVSNKRNGIDVDKWDYFARDCHHLGIQNNFDYKRFIKFARVCEVDNELRIC  
ARDKEVGNLYDMFHTRNSLHRRAYQHKVGNIIDTMITDAFLKADDYIEITGAGEKKYRISTAIDDMEAYT  
KLTDNIFLEILYSTDPKLDAREILKQIEYRNLFKYVGETQPTGQIKIKREDYESLPKEVASAKPKVLLD  
VKLKAEDFIVDVINMDYGMQEKNPIDHVSFYCKTAPNRAIRITKNQVSQLLPEKFVEQLIRVYCKKVDRK  
SLYAARQYFVQWCADRNFTKPDGDVIAPLITPQKKEWNDSTSVQNPTRLREASKSRVQLFKDDPM

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_056289</a>
RefSeq Size:	3189
RefSeq ORF:	1878



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**Synonyms:** CHBL2; DCIP; HDDC1; hSAMHD1; MOP-5; SBBI88

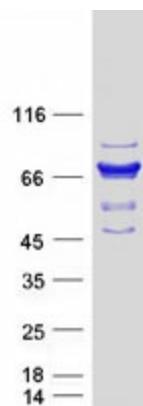
**Locus ID:** 25939

**UniProt ID:** [Q9Y3Z3](#), [Q59H15](#)

**Cytogenetics:** 20q11.23

**Summary:** This gene may play a role in regulation of the innate immune response. The encoded protein is upregulated in response to viral infection and may be involved in mediation of tumor necrosis factor-alpha proinflammatory responses. Mutations in this gene have been associated with Aicardi-Goutieres syndrome. [provided by RefSeq, Mar 2010]

### Product images:



Coomassie blue staining of purified SAMHD1 protein (Cat# [TP306013]). The protein was produced from HEK293T cells transfected with SAMHD1 cDNA clone (Cat# [RC206013]) using MegaTran 2.0 (Cat# [TT210002]).