

## Product datasheet for **TP306013**

### **SAMHD1 (NM\_015474) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SAM domain and HD domain 1 (SAMHD1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206013 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MQRADSEQPSKRPRCDDSPRTPSNTPSAEADWSPGLELHPDYKTWGPEQVCSFLRRGGFEPEVLLKNIRE  
NEITGALLPCLDESRFENLGVSSLGERKKLLSYIQRVQIHVDTMKVINDPIHGHIELHPLLVRIIDTPQ  
FQRLRYIKQLGGGYVFPGASHNRFEHSLGVGYLAGCLVHALGEKQPELQISERDVLVCVQIAGLCHDLGH  
GPFSHMFDGRFIPLARPEVKWTHEQGSVMMFEHLINSNGIKPVMEQYGLIPEEDICFIKEQIVGPLESPV  
EDSLWPYKGRPENKSFLYEIVSNKRNGIDVDKWDYFARDCHHLGIQNNFDYKRFIKFARVCEVDNELRIC  
ARDKEVGNLYDMFHTRNSLHRRAYQHKBVGNIIIDTMITDAFLKADDYIEITGAGEKKYRISTAIDDMEAYT  
KLTDNIFLEILYSTDPKLDAREILKQIEYRNLFKYVGETQPTGQIKIKREDYESLPKEVASAKPKVLLD  
VKLKAEDFIVDINMDYGMQEKNPIDHVSFYCKTAPNRAIRITKNQVSQLLPEKFVEQLIRVYCKKVDK  
SLYAARQYFVQWCADRNFNTPQDGDVIAPLITPQKKEWNDSTSVQNPTLREASKSRVQLFKDDPM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

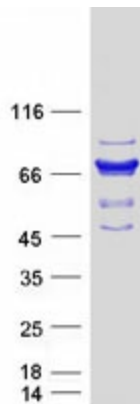
Tag:	C-Myc/DDK
Predicted MW:	72 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_056289</a>
<b>Locus ID:</b>	25939
<b>UniProt ID:</b>	<a href="#">Q9Y3Z3</a> , <a href="#">Q59H15</a>
<b>RefSeq Size:</b>	3189
<b>Cytogenetics:</b>	20q11.23
<b>RefSeq ORF:</b>	1878
<b>Synonyms:</b>	CHBL2; DCIP; HDDC1; hSAMHD1; MOP-5; SBBI88
<b>Summary:</b>	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]).