

Recombinant Full Length Human SAMHD1 Protein, C-Flag-tagged

Cat. No. SAMHD1-486HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SAMHD1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	72 kDa
AA Sequence	MQRADSEQPSKRPRCDDSPRTPSNTPSAEADWSPGLELHPDYKWTWGPEQVCSFL RRGGFEFPVLLKNIRE NEITGALLPCLDESRFENLGVSSLGERKKLLSYIQLRVQIHV DTMKVINDPIHGHIELHPLLVRIIDTPQ FQRLRYIKQLGGGYVFPGASHNRFEHSLG VGYLAGCLVHALGEKQPELQISERDVLVCVQIAGLCHDLGH GPFSHMFDGRFIPLAR PEVKWTHEQGSVMMFEHLINSNGIKPVMEQYGLIPEEDICFIKEQIVGPLESPV EDSL WPYKGRPENKSFLYEIVSNKRNGIDVDKWDYFARDCHHLGIQNNFDYKRFIKFARVC EVDNELRIC ARDKEVGNLYDMFHTRNSLHRRAYQHKVGNIIDTMITDAFLKADDYIEI TGAGEKKYRISTAIDDMEAYT KLTDNIFLEILYSTDPKLKDAREILKQIEYRNLFKYVG

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ETQPTGQIKIKREDYESLPKEVASAKPKVLLD VKLKAEDFIVDVINMDYGMQEKNPID
HVSFYCKTAPNRAIRITKNQVSQLLPEKFVEQLIRVYCKKVDRK SLYAARQYFVQWC
ADRNFTKPQDGDVIAPLITPQKKEWNDSTSVQNPTRLREASKSRVQLFKDDPMTRT
RPLEQKLISEEDLAANDILDYKDDDDKV

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	SAMHD1 SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1 [Homo sapiens (human)]
Official Symbol	SAMHD1
Synonyms	DCIP; CHBL2; HDDC1; MOP-5; SBBI88; hSAMHD1
Gene ID	25939
mRNA Refseq	NM_015474.4

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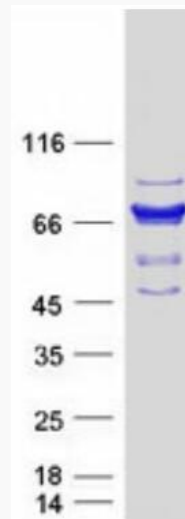
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Protein Refseq NP_056289.2

MIM 606754

UniProt ID Q9Y3Z3



Coomassie blue staining of purified SAMHD1 protein.

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