Recombinant Human SAMHD1 protein, GST-tagged

Cat. No. SAMHD1-2505H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SAMHD1 protein(1-315 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-315 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MQRADSEQPSKRPRCDDSPRTPSNTPSAEADWSPGLELHPDYKTWGPEQVCSFL RRGGFEEPVLLKNIRENEITGALLPCLDESRFENLGVSSLGERKKLLSYIQRLVQIHVD TMKVINDPIHGHIELHPLLVRIIDTPQFQRLRYIKQLGGGYYVFPGASHNRFEHSLGV GYLAGCLVHALGEKQPELQISERDVLCVQIAGLCHDLGHGPFSHMFDGRFIPLARPE VKWTHEQGSVMMFEHLINSNGIKPVMEQYGLIPEEDICFIKEQIVGPLESPVEDSLWP YKGRPENKSFLYEIVSNKRNGIDVDKWDY
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months,

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	reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	SAMHD1 SAM domain and HD domain 1 [Homo sapiens]
Official Symbol	SAMHD1
Synonyms	SAMHD1; SAM domain and HD domain 1; SAM domain and HD domain-containing protein 1; AGS5; Aicardi Goutieres syndrome 5; HD domain containing 1; HDDC1; Mg11; monocyte protein 5; MOP 5; SBBI88; dendritic cell-derived IFNG-induced protein; DCIP; CHBL2; MOP-5;
Gene ID	25939
mRNA Refseq	NM_015474
Protein Refseq	NP_056289
MIM	606754
UniProt ID	Q9Y3Z3
SDS-PAGE	

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