

Recombinant Mouse SAMHD1 Protein (395-626 aa), His-tagged

Cat. No. SAMHD1-796M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SAMHD1 Protein (395-626 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Mouse
Source	E.coli
ProteinLength	395-626 aa
Description	Host restriction nuclease that blocks early-stage virus replication in dendritic and other myeloid cells. Likewise, suppresses LINE-1 retrotransposon activity. May function by reducing the cellular dNTP levels to levels too low for retroviral reverse transcription to occur. May play a role in mediating proinflammatory responses to TNF-alpha signaling.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	30.6 kDa
AA Sequence	DIMITDAFLKADPYVEITGTAGKKFRISTAIDDMEAFTKLTDNIFLEVLHSTDPQLSEAAQ SILRNIECRNLYKYLGETQPKREKIRKEEYERLPQEVAKAKPEKAPDVELKAEDFIVD VINVDYGMEDKNPIDRVHFYCKSNSKQAVRINKEQVSQLLPEKFAEQLIRVYCKKKD GKSLDAAGKHVFVQWCALRDFTKPDGDIIAPLITPLKWNNTSSCLQEVSQVKTCLK

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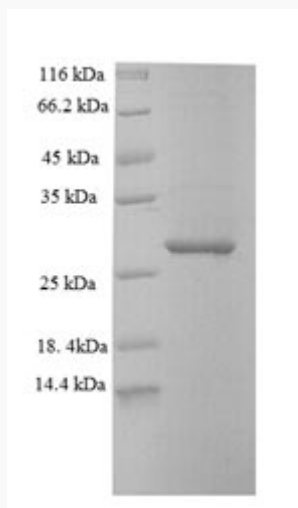
 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.
GENE INFORMATION	
Gene Name	Samhd1 SAM domain and HD domain, 1 [Mus musculus]
Official Symbol	SAMHD1
Synonyms	SAMHD1; Mg11; E330031J07Rik;
Gene ID	56045
mRNA Refseq	NM_001139520
Protein Refseq	NP_001132992
UniProt ID	Q60710

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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