

Recombinant Human SETDB1 Protein (510-1290, end), N His-FLAG tagged

Cat. No. SETDB1-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SetDB1 (variant 2), also known as Histone-lysine Nmethyltransferase SETDB1, SET domain bifurcated 1, KMT1E, ERG-associated protein with SET domain (ESET), GenBank Accession No. NM_012432, a.a. 510-1290(end) expressed in a Baculovirus Sf9 cell expression system.
Species	Human
Source	Sf9 Cells
ProteinLength	510-1290, end
Description	This gene encodes a histone methyltransferase which regulates histone methylation, gene silencing, and transcriptional repression. This gene has been identified as a target for treatment in Huntington Disease, given that gene silencing and transcription dysfunction likely play a role in the disease pathogenesis. Alternatively spliced transcript variants of this gene have been described.
Form	Aqueous buffer solution
Molecular Mass	114 kDa
Purity	≥85%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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Usage	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Storage	At least 6 months at -80 centigrade.
Storage Buffer	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 20% Glycerol and variable glutathione
Shipping	At -80 centigrade
Warning	Avoid freeze/thaw cycles

GENE INFORMATION

Gene Name	SETDB1 SET domain, bifurcated 1 [Homo sapiens (human)]
Official Symbol	SETDB1
Synonyms	SETDB1; SET domain, bifurcated 1; histone-lysine N-methyltransferase SETDB1; ESET; KG1T; KIAA0067; KMT1E; H3-K9-HMTase 4; lysine N-methyltransferase 1E; histone H3-K9 methyltransferase 4; ERG-associated protein with SET domain; ERG-associated protein with a SET domain, ESET; histone-lysine N-methyltransferase, H3lysine-9 specific 4; H3-K9-HMTase4
Gene ID	9869
mRNA Refseq	NM_012432
Protein Refseq	NP_036564

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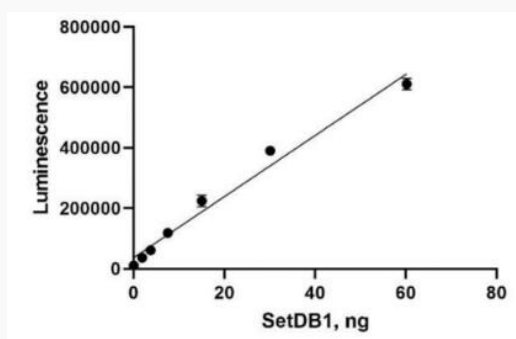
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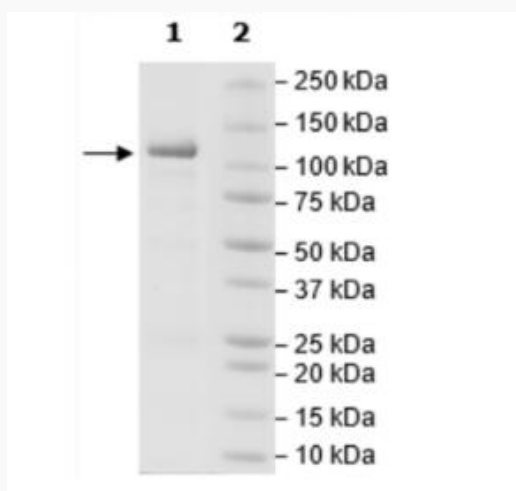
MIM 604396

UniProt ID Q15047

Activity



SDS-PAGE



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