

Protein ROS1 (ROS1), partial Recombinant Protein | ROS1 recombinant protein

Recombinant Arabidopsis thaliana Protein ROS1 (ROS1), partial

CATALOG #
AAA116527

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

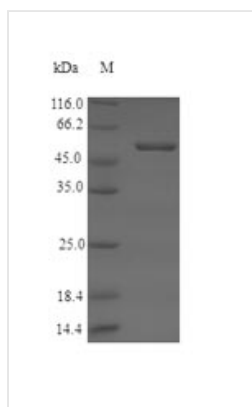
PRODUCT SYNONYMS

Protein ROS1 (ROS1); partial; Recombinant Arabidopsis thaliana Protein ROS1 (ROS1); Protein ROS1; EC=3.2.2.-; DEMETER-like protein 1; Repressor of silencing 1; ROS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-320aa; Partial
Sequence	MEKQRREESS FQQPPWIPQT PMKPFSPICP YTVEDQYHSS QLEERRFVGN KDMSGDLHLS FGDLLALANT ASLIFSGQTP IPTRNTEVMQ KGTEEVESLS SVSNNVAEQI LKTPEKPKRK KHRPKVRREA KPKREPKPRA PRKSVVTDGQ ESKTPKRKYV RKKVEVSKDQ DATPVESSAA VETSTRPKRL CRRVLDFEAE NGENQTNGDI REAGEMESAL QEKQLDSGNQ ELKDCLLSAP STPKRKRSGG KRKGVQPKN GSNLEEVDIS MAQAAKRRQG PTCCDMNLGS IQYDEQCDYQ KMWLYSPNL QQGGMRYDAI
Species	Arabidopsis thaliana (Mouse-ear cress)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ROS1 recombinant protein	Bifunctional DNA glycosylase/lyase, which excises 5-methylcytosine (5-meC) and 5-hydroxymethylcytosine (5-hmeC), leaving an apyrimidinic (AP) site that is subsequently incised by the lyase activity . Generates 3'-phosphor-alpha,beta-unsaturated aldehyde (3'-PUA) as a primary 5-meC excision intermediate. Prevents DNA hypermethylation, specifically in the promoter of otherwise silenced loci. May be involved in DNA repair through its nicking activity on methylated DNA. Binds with similar affinity to both methylated and non-methylated DNA. Highly distributive behavior on DNA substrates containing multiple 5-meC residues. Involved with Pol IV in the remodeling of the 5S rDNA chromatin via DNA methylation modifications during the first days of development post-germination. Participates in UV-B induced- and oxidative DNA damage repair .
Product Categories/Family for ROS1 recombinant protein	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	42569673
NCBI GeneID	818224
NCBI Accession #	NP_181190.3
NCBI GenBank Nucleotide #	NM_129207.4
UniProt Accession #	Q9SJQ6; Q7Y1X6
Molecular Weight	52.3 kDa
NCBI Official Full Name	protein ROS1
NCBI Official Symbol	DML1
NCBI Official Synonym Symbols	demeter-like 1; DML1; F1O11.12; F1O11_12; REPRESSOR OF SILENCING1; ROS1
NCBI Protein Information	protein ROS1
UniProt Protein Name	Protein ROS1
UniProt Gene Name	ROS1
UniProt Synonym Gene Names	DML1
UniProt Entry Name	ROS1_ARATH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ros1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116527>