MATH domain-containing protein At5g43560 (At5g43560), Recombinant Protein

CD BioSciences
Plant Protein

Cat RP09651

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana MATH domain-containing protein At5g43560 (At5g43560) , partial

Product Gene Name
At5g43560 recombinant protein

Product Synonym Gene Name
At5g43560

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
63,498 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
MATH domain-containing protein

NCBI Accession
NP_199169.1

NCBI GI
15239902

NCBI GenBank Nucleotide
NM_123722.5

NCBI GeneID
834376

NCBI Official Full Name
TRAF-like superfamily protein

NCBI Official Symbol
AT5G43560

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NCBI Official Synonym Symbols
K9D7.6; K9D7_6

NCBI Protein Information
TRAF-like superfamily protein

UniProt Gene Name
TRAF1A

UniProt Protein Name
TNF receptor-associated factor homolog 1a

UniProt Synonym Protein Names
MATH domain-containing protein At5g43560

UniProt Primary Accession
Q8RY18

UniProt Secondary Accession
Q0WV70; Q9FIY4; B9DG57

UniProt Related Accession
Q8RY18

UniProt Comments
Functions redundantly with TRAF1B in the regulation of plant immune response. Contributes to the turnover of the nucleotide-binding domain and leucine-rich repeat-containing (NB-LRR) immune receptors SNC1 and RPS2. May associate with an E3 ubiquitin-protein ligase complex, which modulates ubiquitination and subsequent degradation of NB-LRR immune sensors to maintain their homeostasis (PubMed:26867179). Functions redundantly with TRAF1B in the regulation of autophagosome formation. Required for SINAT1- and SINAT2-mediated ubiquitination and destabilization of ATG6. Functions as molecular adapter that helps to regulate autophagy by modulating ATG6 stability (PubMed:28351989).

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