

Recombinant Arabidopsis Thaliana MSRB7 Protein (1-144 aa), His-SUMO-tagged

Cat. No. MSRB7-2157A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Arabidopsis Thaliana (Mouse-ear cress) MSRB7 Protein (1-144 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Arabidopsis Thaliana
Source	E.coli
ProteinLength	1-144 aa
Description	Catalyzes the reduction of methionine sulfoxide (MetSO) to methionine in proteins. Plays a protective role against oxidative stress by restoring activity to proteins that have been inactivated by methionine oxidation. MSRB family specifically reduces the MetSO R-enantiomer (By similarity).
Form	Tris-based buffer,50% glycerol
Molecular Mass	31.5 kDa
AA Sequence	MAAMTAAVPATGSFQKQDEEWRAVLSPEQFRVLRLLKGTDKRGKGFTKKFEEGT YSCAGCGTALYKSTTKFDSGCGWPAFFDAIPGAIKQTPEAGGRRMEITCAVCDGHL GHVFKGEGYSTPTDQRHCVNSVSLKFSSAGSSQ
Purity	> 90% as determined by SDS-PAGE.

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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 reconstitution instruction is sent along with the products.

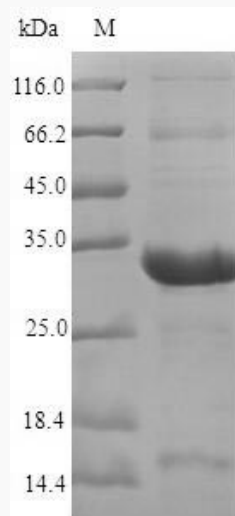
GENE INFORMATION

Gene Name	MSRB7 methionine sulfoxide reductase B7 [Arabidopsis thaliana (thale cress)]
Official Symbol	MSRB7
Synonyms	ATMSRB7; methionine sulfoxide reductase B7; T8O5.40; T8O5_40;
Gene ID	828271
mRNA Refseq	NM_118303
Protein Refseq	NP_567637
UniProt ID	Q8VY86

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

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