

Recombinant Arabidopsis Thaliana ABI5 Protein (1-442 aa), His-SUMO-tagged

Cat. No. ABI5-1141A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Arabidopsis Thaliana (Mouse-ear cress) ABI5 Protein (1-442 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	1-442 aa
Description	Participates in ABA-regulated gene expression during seed development and subsequent vegetative stage by acting as the major mediator of ABA repression of growth. Binds to the bryo specification element and the ABA-responsive element (ABRE) of the Dc3 gene promoter and to the ABRE of the 1 and 6 genes promoters. Can also trans-activate its own promoter, suggesting that it is autoregulated. Plays a role in sugar-mediated senescence.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	63.0 kDa
AA Sequence	MVTRETKLTSEREVESSMAQARHNGGGGGENHPFTSLGRQSSIYSLTLDEFQHALC ENGKNFGSMNMDEFLVSIWNAEENNNNQQQAAAAAGSHSVPANHNGFNNNNNNG GEGGVGVFSGGSRGNEDANNKRGIANESSLPQRQGSLLPAPLCRKTVDEWVSEIH

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RGGGSGNGGDSNGRSSSSNGQNNANQNGGETAARQPTFGEMTLEDFLVKAGVVRE
HPTNPKPNPNPNQNQNPNSSVIPAAAQQQLYGVFQGTGDPSPGQAMGVGDPSGY
AKRTGGGGYQQAPPVQAGVCYGGGVGFGAGGQQMGMVGPLSPVSSDGLGHGQ
VDNIGGQYGVDMMGLRGRKRVDGPVEKVVERRQRRMIKNRESAARSARKQAY
TVELEAELNQLKEENAQLKHALAELERKRKQQYFESLKSRAQPKLPKSNGLRLTLM
RNPSCPL

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.

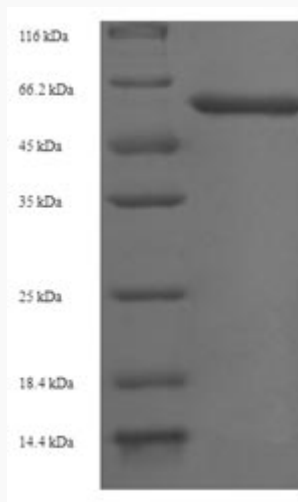
GENE INFORMATION

UniProt ID [Q9SJN0](#)

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

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