

IAA17 Protein, Arabidopsis thaliana, Recombinant (His & Myc)

General Information

Synonyms:	Indoleacetic acid-induced protein 17;Auxin-responsive protein IAA17;Auxin response 3; IAA17;AXR3
Protein Construction:	1-229 aa
Species:	Arabidopsis thaliana
Expression Host:	E. coli
Accession:	P93830
Molecular Weight:	32.3 kDa (predicted)
AA Sequence:	MMGSVELNLRETELCLGLPGGDTVAPVTGNKRGFSETVDLKLNLNNEPANKEGSTTHDVVTFDSKEKSACPK DPAKPPAKAQVVGWPPVRSYRKNVMVSCQKSSGGPEAAAFVKVSMGAPYLRKIDLRMYKSYDELSNALS NMFSSFTMGKHGGEEGMIDFMNERKLMDLVNSWDYVPSYEDKGDGDMVLVGDVPWPMFVDTCRLRLMK GSDAIGLAPRAMEKCKSRA

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Aux/IAA proteins are short-lived transcriptional factors that function as repressors of early auxin response genes at low auxin concentrations. Repression is thought to result from the interaction with auxin response factors (ARFs), proteins that bind to the auxin-responsive promoter element (AuxRE). Formation of heterodimers with ARF

proteins may alter their ability to modulate early auxin response genes expression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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