

Osmotin (AP24) Recombinant Protein | AP24 recombinant protein

Recombinant Nicotiana tabacum Osmotin (AP24)

CATALOG # AAA18714	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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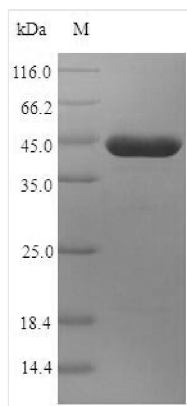
PRODUCT SYNONYMS

Osmotin (AP24); Recombinant Nicotiana tabacum Osmotin (AP24); AP24 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	22-246aa; Full Length of Mature Protein
Sequence	ATIEVRNNCP YTVWAASTPI GGGRRRLDRGQ TWVINAPRGT KMARVWGRTN CNFNAAGRGT CQTGDCGGVL QCTGWGKPPN TLAEYALDQF SGLDFWDISL VDGFNIPMTF APTNPSSGGKC HAIHCTANIN GECPRELRVP GGCNPCTTF GGQYCTQG PCGPTFFSKF FKQRCPDAYS YPQDDPTSTF TCPGGSTNYR VIFCPNGQAH PNFPLEMPGS DEVAK
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

References	Extracellular targeting of the vacuolar tobacco proteins AP24, chitinase and beta-1,3-glucanase in transgenic plants.Melchers L.S., Sela-Buurlage M.B., Vloemans S.A., Woloshuk C.P., van Roekel J.S.C., Pen J., van den Elzen P.J.M., Cornelissen B.J.C.Plant Mol. Biol. 21:583-593(1993) Analysis of structure and transcriptional activation of an osmotin gene.Nelson D.E., Raghothama K.G., Singh N.K., Hasegawa P.M., Bressan R.A.Plant Mol. Biol. 19:577-588(1992) Molecular cloning of osmotin and regulation of its expression by ABA and adaptation to low water potential.Singh N.K., Nelson D.E., Kuhn D., Hasegawa P.M., Bressan R.A.Plant Physiol. 90:1096-1101(1989) Nucleotide sequence of an osmotin cDNA from the Nicotiana tabacum cv. white burley generated by the polymerase chain reaction.Kumar V., Spencer M.E.Plant Mol. Biol. 18:621-622(1992) Comparison of the 5 regulatory regions of homeologous osmotin genes from Nicotiana tabacum.Barnard W.M., Neale A.D.Chitinase, beta-1,3-glucanase, osmotin, and extensin are expressed in tobacco explants during flower formation.Neale A.D., Wahleithner J.A., Lund M., Bonnett H.T., Kelly A., Meeks-Wagner D.R., Peacock W.J., Dennis E.S.Plant Cell 2:673-684(1990) Pathogen-induced proteins with inhibitory activity toward Phytophthora infestans.Woloshuk C.P., Meulenhoff J.S., Sela-Buurlage M., van den Elzen P.J., Cornelissen B.J.Plant Cell 3:619-628(1991) Crystal structure of osmotin, a plant antifungal protein.Min K., Ha S.C., Hasegawa P.M., Bressan R.A., Yun D.J., Kim K.K.Proteins 54:170-173(2004)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1709500
UniProt Accession #	P14170; Q40529; Q6LDD7
Molecular Weight	40.3 kDa
NCBI Official Full Name	Osmotin
UniProt Protein Name	Osmotin
UniProt Gene Name	AP24
UniProt Entry Name	OSMO_TOBAC

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.