

Conglutin-7 Recombinant Protein

Recombinant Arachis hypogaea (Peanut) Conglutin-7

CATALOG # AAA116760	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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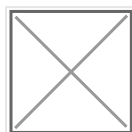
PRODUCT SYNONYMS

Conglutin-7; Recombinant Arachis hypogaea (Peanut) Conglutin-7; Conglutin-7 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	22-172. Mature full length.
Sequence	RQQWELQGDR RCQSQLERAN LRPCEQHLMQ KIQRDEDSYG RDPYSPSQDP YSPSQDPDRR DPYSPSPYDR RGAGSSQHQE RCCNELNEFE NNQRCMCEAL QQIMENQSDR LQGRQQEQQF KRELRLNPQQ CGLRAPQRCD LEVESGGRDR Y
Sequence Length	172
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

Related Product Information for Conglutin-7 recombinant protein	Weak inhibitor of trypsin.
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References

Isolation and characterization of two complete Ara h 2 isoforms cDNA. Chatel J.-M., Bernard H., Orson F.M. *Int. Arch. Allergy Immunol.* 131:14-18(2003) Isolation of peanut genes encoding arachins and conglutins by expressed sequence tags. Yan Y.-S., Lin X.-D., Zhang Y.-S., Wang L., Wu K., Huang S.-Z. *Plant Sci.* 169:439-445(2005) Isolation of peanut genes encoding arachins and conglutins by expressed sequence tags. Yan Y.-S., Lin X.-D., Zhang Y.-S., Wang L., Wu K., Huang S.-Z. *Plant Sci.* 169:439-445(2005) . Isolation of peanut genes encoding arachins and conglutins by expressed sequence tags. Yan Y.-S., Lin X.-D., Zhang Y.-S., Wang L., Wu K., Huang S.-Z. *Plant Sci.* 169:439-445(2005) . Chromosomal and phylogenetic context for conglutin genes in *Arachis* based on genomic sequence. Ramos M.L., Fleming G., Chu Y., Akiyama Y., Gallo M., Ozias-Akins P. *Mol. Genet. Genomics* 275:578-592(2006) Chromosomal and phylogenetic context for conglutin genes in *Arachis* based on genomic sequence. Ramos M.L., Fleming G., Chu Y., Akiyama Y., Gallo M., Ozias-Akins P. *Mol. Genet. Genomics* 275:578-592(2006) . cDNA cloning of peanut seed storage protein. Yan Y.-S., Wang L., Liao B., Li H., Lin X.-D., Huang S.-Z. cDNA cloning of peanut seed storage protein. Yan Y.-S., Wang L., Liao B., Li H., Lin X.-D., Huang S.-Z.. Isolation of peanut genes encoding seed storage proteins and stress proteins from developing cotyledons by expressed sequence tags. Fu G., Yan Y.-S., Wang L., Zhong Y., Huang S.-Z. Isolation of peanut genes encoding seed storage proteins and stress proteins from developing cotyledons by expressed sequence tags. Fu G., Yan Y.-S., Wang L., Zhong Y., Huang S.-Z.. Cloning and characterization of four genes encoding peanut seed oleosins. Li C., Fu G., Zhong Y., Yan Y., Wang L., Huang S. Cloning and characterization of four genes encoding peanut seed oleosins. Li C., Fu G., Zhong Y., Yan Y., Wang L., Huang S.. Proteolytical processing of Ara h 2 into mature form. Radosavljevic J., Dobrijevic D., Blanus M., Jadranin M., Cirkovic Velickovic T. Isolation and molecular characterization of the first genomic clone of a major peanut allergen, Ara h 2. Viquez O.M., Summer C.G., Dodo H.W.J. *Allergy Clin. Immunol.* 107:713-717(2001) Isolation and molecular characterization of the first genomic clone of a major peanut allergen, Ara h 2. Viquez O.M., Summer C.G., Dodo H.W.J. *Allergy Clin. Immunol.* 107:713-717(2001) . Isolation and molecular characterization of the first genomic clone of a major peanut allergen, Ara h 2. Viquez O.M., Summer C.G., Dodo H.W.J. *Allergy Clin. Immunol.* 107:713-717(2001) . Seed-specific, developmentally regulated genes of peanut. Paik-Ro O.G., Seib J.C., Smith R.L. *Theor. Appl. Genet.* 104:236-240(2002) Seed-specific, developmentally regulated genes of peanut. Paik-Ro O.G., Seib J.C., Smith R.L. *Theor. Appl. Genet.* 104:236-240(2002) . Re-investigation of the major peanut allergen Ara h 2 on the molecular level. Becker W.-M., Suhr M., Lindner B., Wicklein D., Lepp U. Primary sequence and site-selective hydroxylation of prolines in isoforms of a major peanut allergen protein Ara h 2. Li J., Shefcheck K., Callahan J., Fenselau C. *Protein Sci.* 19:174-182(2010) Suppression of seed storage proteins upon water stress in *Arachis hypogaea* var. M-13 seeds. Katam R., Vasanthaiah H.K.N., Basha S.M., McClung S. Submitted (MAR-2007) to UniProtKB Suppression of seed storage proteins upon water stress in *Arachis hypogaea* var. M-13 seeds. Katam R., Vasanthaiah H.K.N., Basha S.M., McClung S. Submitted (MAR-2007) to UniProtKB. Suppression of seed storage proteins upon water stress in *Arachis hypogaea* var. M-13 seeds. Katam R., Vasanthaiah H.K.N., Basha S.M., McClung S. Submitted (MAR-2007) to UniProtKB. Structure and stability of 2S albumin-type peanut allergens implications for the severity of peanut allergic reactions. Lehmann K., Schweimer K., Reese G., Randow S., Suhr M., Becker W.-M., Vieths S., Roesch P. *Biochem. J.* 395:463-472(2006) The major peanut allergen, Ara h 2, functions as a trypsin inhibitor, and roasting enhances this function. Maleki S.J., Viquez O.M., Jacks T., Dodo H.W., Champagne E.T., Chung S.-Y., Landry S.J.J. *Allergy Clin. Immunol.* 112:190-195(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	147639154
UniProt Accession #	Q6PSU2; Q647H0; Q6PSU1; Q7Y1C0; Q84TU1; Q8GV20; Q941R0; A1DZE8; A5Z1R1; C0LJJ1
Molecular Weight	22 kDa
NCBI Official Full Name	Conglutin-7
UniProt Protein Name	Conglutin-7
UniProt Entry Name	CONG7_ARAHY

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.

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Online datasheet: <https://stage.aaabiotech.com/conglutin-7-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116760>