



# Recombinant Arachis hypogaea Allergen Ara h 1, clone P17

<b>Product Code</b>	CSB-EP331779ANE(A4)
<b>Abbreviation</b>	Recombinant Arachis hypogaea Allergen Ara h 1, clone P17 protein
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P43237
<b>Alias</b>	Allergen Ara h I
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arachis hypogaea (Peanut)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	KSPYRK TENPCAQRCLQSCQQEPDDLKQKACESRCKLEYDPRCVYDTGAT NQRHPPGERTRGRQPGDYDDRRQPRREEGGRWGPAEPREREREEDWRQ PREDWRRPSHQQPRKIRPEGREGEQEWGTPGSEVREETSRRNNPFYFPSRRF STRYGNQNGRIRVLQRFQDQSKQFQNLQNHRIQIEARPNTLVLPKHADADNI LVIQQGQATVTVANGNNRKSFNLDGHALRIPSGFISYILNRHDNQNLRVAKIS MPVNTPGQFEDFFPASSRDQSSYLQGFSRNTLEAAFNAAFNEIRRVLLEENAG GEQEERGQRRRSTRSSDNEGVIKVSKEHVQELTKHAKSVSKKGSEEDITN PINLRDGEPLDLSNNFGRLFEVKPKDKNPQLQDLDMMLTCVEIKEGALMLPHFN SKAMVIVVVNKG TGNLELVAVRKEQQQRGRREQEWEEEEEEDEEEEGSNREV RRYTARLKEGDVFIMPAAHVPAINASSELHLLGFGINAENNHRIFLAGDKDNVID QIEKQAKDLAFPGSGEQVEKLIKQRESHFVSARPQSQSPSSPEKEDQEEEN QGGKGPLLSILKAFN
<b>Research Area</b>	Allergen
<b>Source</b>	E.coli
<b>Expression Region</b>	26-614aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	71.7kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	





<https://doi.org/10.3390/allergies1010006>

[3] M. Shen, A. Joshi, R. Vannam, C. Dixit, R. Hamilton, C. Kumaret al., Epitope?resolved detection of peanut?specific ige antibodies by surface plasmon resonance imaging, *Chembiochem*, vol. 19, no. 3, p. 199-202, 2018. <https://doi.org/10.1002/cbic.201700513>

[4] L. Lange, K. Beyer, & J. Kleine-Tebbe, Benefits and limitations of molecular diagnostics in peanut allergy, *Allergo Journal International*, vol. 23, no. 5, p. 158-163, 2014. <https://doi.org/10.1007/s40629-014-0019-z>

---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.