

Recombinant Human CHIA protein, His-tagged

Cat. No. CHIA-4633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHIA protein(1-368 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-368 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	MVSTPENRQTFITSVIKFLRQYEFDGLDFDWEYPGSRGSPQDKHLFTVLVQEMRE AFEQEAKQINKPRLMVTAAVAAGISNIQSGYEIPQLSQYLDYIHVMTYDLHGSGWEGY TGENSPLYKYPTDTGSNAYLNVDYVMNYWKDNGAPAEKLIVGFPTYGHNFILSNPS NTGIGAPTSGAGPAGPYAKESGIWAYYEICTFLKNGATQGWDAPEVPYAYQGNV WVGYDNIKSFDIKAQWLKHNKFGGAMVWAILDDFTGTFCNQGKFPLISTLKALGL QSASCTAPAQPIEPITAAPSGSGNGSGSSSSSGGSSGGSGFC AVRANGLYPVANNR NAFWHCVNGVTYQQNCQAGLVFDTSCDCCNWA
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name CHIA chitinase, acidic [Homo sapiens]

Official Symbol CHIA

Synonyms

CHIA; chitinase, acidic; acidic mammalian chitinase; AMCase; CHIT2; TSA1902; lung-specific protein TSA1902; AMCASE; DKFZp313J1722;

Gene ID 27159

mRNA Refseq NM_001040623

Protein Refseq NP_001035713

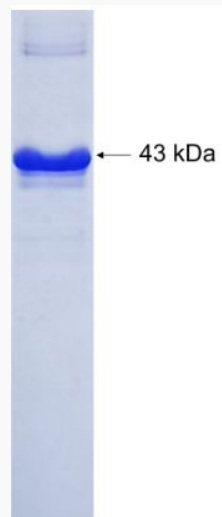
MIM 606080

UniProt ID Q9BZP6

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SDS-PAGE

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