

## Recombinant Human CHIA, His-tagged

Cat. No. CHIA-11175H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CHIA protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	C-term-368a.a.
<b>Description</b>	The protein encoded by this gene degrades chitin, which is found in the cell wall of most fungi as well as in arthropods and some nematodes. The encoded protein can also stimulate interleukin 13 expression, and variations in this gene can lead to asthma susceptibility. Several transcript variants encoding a few different isoforms have been found for this gene.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

### GENE INFORMATION

**Gene Name**                      CHIA chitinase, acidic [ Homo sapiens ]

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<b>Official Symbol</b>	CHIA
<b>Synonyms</b>	CHIA; chitinase, acidic; acidic mammalian chitinase; AMCase; CHIT2; TSA1902; lung-specific protein TSA1902; AMCASE; DKFZp313J1722;
<b>Gene ID</b>	<a href="#">27159</a>
<b>mRNA Refseq</b>	<a href="#">NM_001040623</a>
<b>Protein Refseq</b>	<a href="#">NP_001035713</a>
<b>MIM</b>	<a href="#">606080</a>
<b>UniProt ID</b>	<a href="#">Q9BZP6</a>
<b>Chromosome Location</b>	1p13.2
<b>Pathway</b>	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem;
<b>Function</b>	catalytic activity; cation binding; chitin binding; chitin binding; chitinase activity; chitinase activity; chitinase activity; kinase binding; lysozyme activity; sugar binding;

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