

Recombinant Human CHIA, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CHIA protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-368a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 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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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
Chromosome Location	1p13.2
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem;
Function	catalytic activity; cation binding; chitin binding; chitin binding; chitinase activity; chitinase activity; chitinase activity; kinase binding; lysozyme activity; sugar binding;

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