

Recombinant Human CHIT1 Protein, MYC/DDK-tagged

Cat. No. CHIT1-3212H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHIT1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	Chitotriosidase is secreted by activated human macrophages and is markedly elevated in plasma of Gaucher disease patients. The expression of chitotriosidase occurs only at a late stage of differentiation of monocytes to activated macrophages in culture. Human macrophages can synthesize a functional chitotriosidase, a highly conserved enzyme with a strongly regulated expression. This enzyme may play a role in the degradation of chitin-containing pathogens. Several alternatively spliced transcript variants have been described for this gene.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	CHIT1 chitinase 1 (chitotriosidase) [Homo sapiens]
Official Symbol	CHIT1
Synonyms	CHI3; CHIT; CHITD
Gene ID	1118
mRNA Refseq	NM_001256125
Protein Refseq	NP_001243054
MIM	600031
UniProt ID	Q13231

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