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Datasheet for ABIN7534361
Chitotriosidase 1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	Chitotriosidase 1 (CHIT1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Chitotriosidase 1 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human Chitinase-1/CHIT1 Protein
Sequence:	AKLVCYFTNW AQYRQGEARF LPKDLDPSTC THLIYAFAGM TNHQLSTTEW NDETLYQEFN GLKKMNPCLK TLLAIGGWNF STQKFTDMVA TANNRQTFVN SAIRFLRKYS FDGLDLWEY PGSQGSPAVD KERFTTLVQD LANAFQQEAQ TSGKERLLLS AAVPAGQTYV DAGYEVDKIA QNLDFVNLMA YDFHGSWEKV TGHNSPLYKR QEESGAAASL NVDAAVQQWL QKGTPLASKLI LGMPTYGRSF TLAASSDTRV GAPATGSGTP GPFTKEGGML AYYEVCWKG ATKQRIQDQK VPYIFRDNQW VGFDDVESFK TKVSYLKQKG LGGAMVWALD LDDFAGFSCN QGRYPLIQLT RQELSLPYLP SGTPELEVPK PGQPSEPEHG PSPGQDTFCQ GKADGLYPNP RERSSFYSCA GGRLFQQSCP TGLVFSNSCK CCTWN
Specificity:	Ala22-Asn466
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered

Product Details

Endotoxin Level:	< 0.01 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its ability to cleave 4-Methylumbelliferyl-beta -D-N,N',N'''-triacetylchitotriose (4-MU-TACT). The specific activity is >43571 pmol/min/µg.

Target Details

Target:	Chitotriosidase 1 (CHIT1)
Alternative Name:	Chitinase-1/CHIT1 (CHIT1 Products)
Background:	CHIT1,CHI3,CHIT,CHITD
Gene ID:	1118

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.