

CHI3L1 recombinant protein

CHI3L1, 1-383aa, Human, His tag, CHO

CATALOG # AAA48817	HOST CHO Cell	APPLICATIONS SDS-Page
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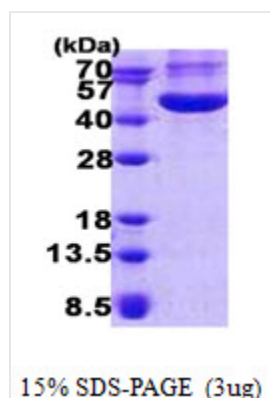
PRODUCT SYNONYMS

CHI3L1; 1-383aa; Human; His tag; CHO; Chitinase 3-like 1; GP39; ASRT7; YKL40; YYL-40; HC-gp39; HCGP-3P; CHI3L1 recombinant protein

PRODUCT SPECIFICATIONS

Host	CHO Cell
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4)
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGVKASQTGF VVLVLLQCCS AYKLVCCYTS WSQYREGDGS CFPDALDRFL CTHIISFAN ISNDHIDTWE WNDVTLYGML NTLKNRNP NL KTLSSVGGWN FGSQRFSKIA SNTQSRRTFI KSVPPFLRTH GFDGLDLAWL YPGRRDKQHF TLLIKEMKAE FIKEAQP GKK QLLLSAALSA GKVTIDSSYD IAKISQHLDF ISIMTYDFHG AWRGTTGHHS PLFRGQEDAS PDRFSNTDYA VGYMLRLGAP ASKLVMGIPT FGRSFTLASS ETGVGAPISG PGIPGRFTKE AGTLAYYEIC DFLRGATVHR ILGQQVPYAT KGNQWVGYYDD QESVKSQVQY LKDRQLAGAM VWALDLDFFQ GSFCGQDLRF PLTNAIKDAL AATKLGPEQK LISEEDLNSA VDHHHHHH
Sequence Length	383
Applicable Applications for CHI3L1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CHI3L1 recombinant protein	Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. CHI3L1 is a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. This protein is thought to play a role in the process of inflammation and tissue remodeling. Recombinant human CHI3L1 protein was expressed with C-terminal myc-His-tag in CHO (chinese hamster ovary) cells using mammalian expression system and purified by using conventional chromatography techniques.
Product Categories/Family for CHI3L1 recombinant protein	Signal Transduction
References	kazakova MH. et al. (2009) Folia Med. 51:5-14.; Bonneh-Barkay D. et al. (2008) Am J Pathol. 173:130-143.

NCBI AND UNIPROT INFORMATION

NCBI GI #	144226251
NCBI GeneID	1116
NCBI Accession #	NP_001267
NCBI GenBank Nucleotide #	NM_001276.2
UniProt Accession #	P36222; P30923; Q8IVA4; Q96HI7; B2R7B0
Molecular Weight	45.5 kDa (408aa)
NCBI Official Full Name	chitinase-3-like protein 1
NCBI Official Synonym Full Names	chitinase 3 like 1
NCBI Official Symbol	CHI3L1
NCBI Official Synonym Symbols	GP39; ASRT7; GP-39; YKL40; CGP-39; YKL-40; YYL-40; HC-gp39; HCGP-3P; hCGP-39
NCBI Protein Information	chitinase-3-like protein 1
UniProt Protein Name	Chitinase-3-like protein 1
UniProt Gene Name	CHI3L1
UniProt Synonym Gene Names	CGP-39; GP-39; hCGP-39

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.