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Datasheet for ABIN7535837
CHI3L1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	CHI3L1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHI3L1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse YKL-40/CHI3L1 Protein
Sequence:	YKLVCFYFTSW SQYREGVGSF LPDAIQPFLC THIIYSFANI SSDNMLSTWE WNDESNYDKL NKLKTRNTNL KTLLSVGGWK FGKRFSEIA SNTERRTAFV RSVAPFLRSY GFDGLDLAWL YPRLRDKQYF STLIKELNAE FTKEVQPGRE KLLLSAALSA GKVAIDTGYD IAQIAQHDF INLMTYDFHG VWRQITGHHS PLFQGQKDTR FDRYSNVNYA VQYMIRLGAQ ASKLLMGIPT FGKSFTLASS ENQLGAPISG EGLPGRFTKE AGTLAYYEIC DFLKGAEVHR LSNEKVPFAT KGNQWVGIED KESVKNKVG F LKEKLAGAM VWALDLDFFQ GTCQPKEFFP LTNAIKDALA
Specificity:	Tyr30-Ala389
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	CHI3L1
Alternative Name:	YKL-40/CHI3L1 (CHI3L1 Products)
Background:	<p>Description: Chitinase-3-like protein 1 (CHI3L1) is a secreted heparin-binding glycoprotein whose expression is associated with vascular smooth muscle cell migration. CHI3L1 is expressed at high levels in postconfluent nodular VSMC cultures and at low levels in subconfluent proliferating cultures. CHI3L1 is a tissue-restricted, chitin-binding lectin and member of glycosyl hydrolase family 18. In contrast to many other monocyto / macrophage markers, its expression is absent in monocytes and strong induced during late stages of human macrophage differentiation. Elevated levels of CHI3L1 are associated with disorders exhibiting increased connective tissue turnover, such as rheum atoid, arthritis, osteoarthritis, scleroderma, and cirrhosis of liver, but is produced in cartilage from old donors or patiens with osteoarthritis. CHI3L1 is abnormally expressed in the hippocampus of subjects with schizophrenia and may be involved in the cellular response to various environmental events that are reported to increase the risk of schizophrenia.</p> <p>Name: CHI3L1,YKL-40,CGP-39,GP-39,ASRT7,CHI3L1</p>
Gene ID:	12654
UniProt:	Q61362

Application Details

Restrictions: For Research Use only

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 votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (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 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.