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Datasheet for ABIN1692305
CXCL16 Protein (AA 27-201, C-Term) (GST tag)

Overview

Quantity:	50 µg
Target:	CXCL16
Protein Characteristics:	C-Term, AA 27-201
Origin:	Schistosoma japonicum
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXCL16 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Schistosoma Japonicum Glutathione S-transferase Class-mu 26 kDa Isozyme/GST
Sequence:	MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGQWQATF GGGDHPPKSD
Characteristics:	Tag: C-6His
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CXCL16
Alternative Name:	C-X-C Motif Chemokine 16/CXCL16 (CXCL16 Products)
Background:	<p>Recombinant Mouse C-X-C Motif Chemokine 16/CXCL16 is produced with our HEK293 expression system. The target protein is expressed with sequence (Asn27-Trp201) of Mouse CXCL16 fused with a 6His tag at the C-terminus.</p> <p>C-X-C Motif Chemokine 16 (CXCL16) belongs to the intercrine α (chemokine CxC) family. CXCL16 is a single-pass type I membrane protein, which consists of 246 AAs. CXCL16 induces a strong chemotatic response and calcium mobilization. CXCL16 acts as a scavenger receptor on macrophages, which specially binds to oxidized low density lipoprotein. CXCL16 may be involved in pathophysiology such as atherogenesis. Soluble CXCL16 may play an important role in liver metastases through the induction of epithelial-mesenchymal transition.</p>
Molecular Weight:	25.7 kDa
UniProt:	P08515

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g/mL}$.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>