Recombinant human CD163 protein

Catalog Number: ATGP3696

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
42-1050aa

UniProt No.
Q86VB7

NCBI Accession No.
NP_004235

Alternative Names
Scavenger receptor cysteine-rich type 1 protein M130 isoform, CD163, M130, MM130, SCARI1

PRODUCT SPECIFICATION

Molecular Weight
109.8 kDa (1015aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4)

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CD163, also known as scavenger receptor cysteine-rich type 1 protein M130 isoform a, is a scavenger receptor for the hemoglobin-haptoglobin complex that is essential in liver, spleen and circulation. This protein is generated by ectodomain shedding of the membrane bound receptor. Also, it is upregulated in a large range of inflammatory diseases including liver cirrhosis, macrophage activation syndrome, HIV infection and sepsis.

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Recombinant human CD163, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

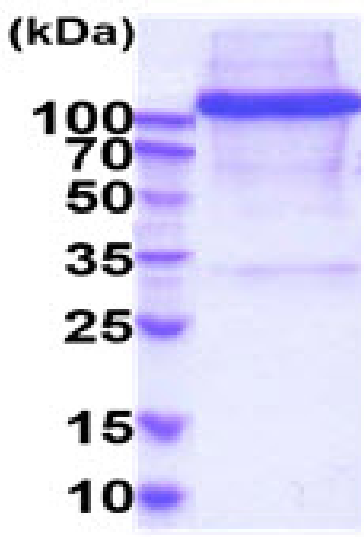
SSLGGTDKEL RLVDGENKCS GRVEVKVQEE WGTVCNNGWS MEAVSVICNQ LGCPTAIKAP GWANSSAGSG RIWMDHVSCR GNESALWDCK HDGWGKHSNC THQQDAGVTC SDGSNLEMRL TRGGNMCSGR IEIKFQGRWG TVCDDNFNID HASVICRQLE CGSAVSFSGS SNFGEGSGPI WFDDLICNGN ESALWNCKHQ GWGKHNCDHA EDAGVICSKG ADLSLRLVDG VTECSGRLEV RFQGEWGTIC DDGWDSYDAA VACKQLGCPT AVTAIGRVNA SKGFGHIWLD SVSCQGHEPA IWQCKHHEWG KHYCNHNEDA GVTCSDGSDL ELRLRGGGSR CAGTVEVEIQ RLLGKVCDRG WGLKEADVVC RQLGCGSALK TSYQVYSKIQ ATNTWLFLSS CNGNETSLWD CKNWQWGGLT CDHYEEAKIT CSAHREPRLV GGDIPCSGRV EVKHGDTWGS ICDSDFSLEA ASVLCRELQC GTVVSILGGA HFGEGNGQIW AEEFQCEGHE SHLSLCPVAP RPEGTCSHSR DVGVVCSRYT EIRLVNGKTP CEGRVELKTL GAWGSLCNSH WDIEDAHVLC QQLKCGVALS TPGGARFGKG NGQIWRHMFH CTGTEQHMGD CPVTALGASL CPSEQVASVI CSGNQSQTLS SCNSSSLGPT RPTIPEESAV ACIESGQLRL VNGGGRCAGR VEIYHEGSWG TICDDSWDLS DAHVVCRQLG CGEAINATGS AHFGEGTGPI WLDEMKCNGK ESRIWQCHSH GWGQQNCRHK EDAGVICSEF MSLRLTSEAS REACAGRLEV FYNGAWGTVG KSSMSETTVG VVCRQLGCAD KGKINPASLD KAMSIPMWVD NVQCPKGPDT LWQCPSSPWE KRLASPSEET WITCDNKIRL QEGPTSCSGR VEIWHGGSWG TVCDDSWDLD DAQVVCQQLG CGPALKAFKE AEFGQGTGPI WLNEVKCKGN ESSLWDCPAR RWGHSECGHK EDAAVNCTDI SVQKTPQKAT TGRSSRQSSH HHHHH

General References

Droste A., et al, (1999) Biochem. Biophys. Res. Commun. 256:110-113.
Stover CM., et al, (2000) Cytogenet. Cell Genet. 90:246-247.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.