## **PRODUCT INFORMATION**

Expression system E.coli

**Domain** 22-319aa

**UniProt No.** P34810

NCBI Accession No. NP\_001242

Alternative Names SCARD1, Macrosialin isoform A, Macrosialin, LAMP4, GP110, CD68

# **PRODUCT SPECIFICATION**

Molecular Weight 34.1 kDa (323aa)

**Concentration** 1mg/ml (determined by Bradford assay)

#### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1M urea, 10% glycerol, 0.1M NaCl

#### Purity

> 85% by SDS-PAGE

**Tag** His-Tag

Application SDS-PAGE, Denatured

### **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

Macrosialin, also known as CD68, is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. It is found in cytoplasmic granules and in the cytoplasm of various non-hematopoietic tissues including liver and kidney tubules and glomeruli. CD68 is also found, to a lesser extent, on the surface of macrophages, monocytes, neutrophils, basophils and large lymphocytes. Recombinant human CD68 protein, fused to His-tag at N-terminus, was expressed in E. coli.



#### **Amino acid Sequence**

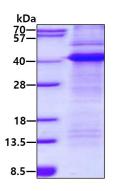
<MGSSHHHHHH SSGLVPRGSH MGSHM>NDCPH KKSATLLPSF TVTPTVTEST GTTSHRTTKS HKTTTHRTTT TGTTSHGPTT ATHNPTTTSH GNVTVHPTSN STATSQGPST ATHSPATTSH GNATVHPTSN STATSPGFTS SAHPEPPPPS PSPSPTSKET IGDYTWTNGS QPCVHLQAQI QIRVMYTTQG GGEAWGISVL NPNKTKVQGS CEGAHPHLLL SFPYGHLSFG FMQDLQQKVV YLSYMAVEYN VSFPHAAQWT FSAQNASLRD LQAPLGQSFS CSNSSIILSP AVHLDLLSLR LQAAQLPHTG VFGQSFSCPS DRS

#### **General References**

Holness CL., et al. (1993) Blood. 81(6):1607-13. Shun CT., et al. (2009) J Infect Dis. 199:1488-1496.

## DATA

#### SDS-PAGE



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