Recombinant Mouse Cd68 Protein Product Manual

1. Product Basic Information

Product No.: REP06393

Protein Name: Cd68 Antigen (Cd68)

Aliases: GP110; LAMP4; SCARD1; macrosialin; CD68 antigen; CD68 molecule; macrophage antigen CD68; scavenger receptor class D, member 1

UniProt ID: P31996

UniProt Link: https://www.uniprot.org/uniprotkb/P31996/entry

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Extracellular Domain (21-291aa)

Molecular Weight: 44.8kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (21-291aa)

DCPHKKAVTLLPSFTMTPTATESTASPTTSHRPTTTSHGNVTVHTSSGPTTVTHNP
ATTTSHGNATISHATVSPTTNGTATSPRSSTVGPHPGPPPPSPSPRSKGALGNYTW
ANGSQPCVQLQAQIQIRILYPIQGGRKAWGISVLNPNKTKVQGGCDGTHPHLSLSFP
YGQLTFGFKQDLHQSPSTVYLDYMAVEYNVSFPQAAQWTFMAQNSSLRELQAPLG
QSFCCGNASIVLSPAVHLDLLSLRLQAAQLPDKGHFGPCFSCNRDQS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the

protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse Cd68 extracellular domain protein (21-291aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. Cd68, also known as GP110 or LAMP4 or SCARD1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.