Recombinant Human CLEC4D Protein Product Manual

1. Product Basic Information

Product No.: REP06482

Protein Name: Dectin Dectin-C-Type Lectin Receptor (CLEC4D)

Aliases: MCL; MPCL; CD368; CLEC6; CLEC-CLECSF8; Dectin Dectin-C-type lectin receptor; macrophage C-type lectin

UniProt ID: Q8WXI8

UniProt Link: https://www.uniprot.org/uniprotkb/Q8WXI8/entry

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Extracellular Domain (39-215aa)

Molecular Weight: 36.7kDa

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

2. Amino Acid Sequence (39-215aa)

CLVTHHNFSRCKRGTGVHKLEHHAKLKCIKEKSELKSAEGSTWNCCPIDWRAFQS
NCYFPLTDNKTWAESERNCSGMGAHLMTISTEAEQNFIIQFLDRRLSYFLGLRDENA
KGQWRWVDQTPFNPRRVFWHKNEPDNSQGENCVVLVYNQDKWAWNDVPCNFE
ASRICKIPGTTLN

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 Human CLEC4D extracellular domain protein (39-215aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. CLEC4D, also known as MCL or MPCL or CD368, 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.