# Recombinant CLM2 protein (His tag)

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| **Catalog Number** | 542788 |
| **Synonyms** | CLM-2; CD300 antigen-like family member E; CMRF35-A5; Immune receptor expressed on myeloid cells 2; IREM-2; Polymeric immunoglobulin receptor 2; PIgR-2; PIgR2; Poly-Ig receptor 2; CD antigen CD300e |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q496F6 |
| **Molecular Weight** | Predictes a molecular mass of 14.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band. |

## Product Information

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| **Sequence Region** | 18-134 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >87%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Endotoxin** | Not tested. |
| **Activity** | Not tested. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Protein Construction** | DNA encoding 18-134 aa (Q496F6) were fused with 6His tag. |

## Storage & Handling

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| **Reconstitution** | Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| **Storage** | Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Human CD300e (CLM-2) Fragment (18-134) is a high-purity protein designed for immunological research. This fragment encompasses the Ig-like V-type domain, providing an essential tool for studying the activating receptor functions of CD300e in immune regulation.<br>The full-length CD300e protein, also known as CMRF35-like molecule 2 (CLM-2) or IREM-2, is an activating receptor expressed on myeloid cells. It functions in immune signaling pathways, as indicated by its role in modulating immune responses. Located on the cell membrane as a single-pass type I membrane protein, CD300e is involved in receptor-mediated activation processes, contributing to its significance in understanding innate immunity and myeloid cell regulation. |