Document Version: V2.0

Recombinant Rat CLC9A Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52682

Size: 10ug, 100ug

Protein Name: C-type lectin domain family 9 member A (CD antigen CD370)

Synonym: Clec9a

UniProt ID: D4AD02

UniProt Link: www.uniprot.org/uniprotkb/D4AD02/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 241 AA

Molecular Weight: 27 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MHEEEIYTSLQWDIPTSEASQKCPSLSKCPGTWCIVTVISCVVCVGLLAASIFLGIKFSQVSSLVMEQR
ERLIRQDTALLNLTEWQRNHTLQLKSCQASLQRSLRSGSNCNPCPPNWIQNGKSCYYAFDRWETW
NNSKKSCLKEGDSLLQIDSKEEMEFINLSIWKLKGGYEYWVGVFQDGPSGSWFWEDGSSPLSDLLP
TDRQLSASQICGYLKDHTLISDNCSNWKYFICEKKAFGSCI

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at-20 ℃ or -80 ℃. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant C-type lectin domain family 9 member A (CD antigen CD370) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Functions as an endocytic receptor on a small subset of myeloid cells specialized for the uptake and processing of material from dead cells. Recognizes filamentous form of actin in association with particular actin-binding domains of cytoskeletal proteins, including spectrin, exposed when cell membranes are damaged, and mediate the cross-presentation of dead-cell associated antigens in a Syk-dependent manner (By similarity).

Subcellular Localization: Membrane ; Single-pass type II membrane protein .

6. Notes

- Avoid repeated freeze- thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer- composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.