

Recombinant Human CLC2B Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50197

Size: 10ug, 100ug

Protein Name: C-type lectin domain family 2 member B (Activation-induced C-type lectin) (C-type lectin superfamily member 2) (IFN-alpha-2b-inducing-related protein 1)

Synonym: CLEC2B, AICL, CLECSF2, IFNRG1

UniProt ID: Q92478

UniProt Link: www.uniprot.org/uniprotkb/Q92478/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 149 AA

Molecular Weight: 17 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MMTKHKKCFIIVGVLITTNITLIVKLTRDSQSLCPYDWIGFQNKCYFYSKEEGDWNSSKYNCSTQHAD
LTIIDNIEEMNFLRRYKCSSDHWIGLKMAKNRTGQWVDGATFTKSFGMRGSEGCAYLSDDGAATAR
CYTERKWICRKRIH

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 °C or -80 °C. 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 2 member B (Activation-induced C-type lectin) (C-type lectin superfamily member 2) (IFN- α -2b-inducing-related protein 1) 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: Membrane-bound protein expressed on myeloid cells which acts as a ligand to stimulate the activating receptor NKp80/KLRF1, expressed on the surface of natural killer (NK) cells. In turn, stimulates NK-cell cytotoxicity and cytokine production leading to the cytolysis of malignant CLEC2B-expressing myeloid cells.

Subcellular Localization: Cell membrane ; Single-pass type II membrane protein . Golgi apparatus membrane . Note=Resting NK cells contain intracellular stores of CLEC2B associated with the Golgi complex.

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.