

Recombinant Human PYDC4 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50830

Size: 10ug, 100ug

Protein Name: NLR family pyrin domain-containing protein 2B (Pyrin domain-containing protein 2-like protein POP4) (Pyrin-only protein 4)

Synonym: NLRP2B, CLRX.1, NLRP2P, NOD24, POP4

UniProt ID: P0DMW2

UniProt Link: www.uniprot.org/uniprotkb/P0DMW2/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 45 AA

Molecular Weight: 5 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MVSSAQLDFNLQALLGQLSQDDLCKFKSLIRTVSLGNELQKIPQT

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 NLR family pyrin domain-containing protein 2B (Pyrin domain-containing protein 2-like protein POP4) (Pyrin-only protein 4) 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: May function as a negative regulator of NF-kappa-B by preventing RELA/p65 phosphorylation at 'Ser-536', thereby inhibiting its transcriptional activity. Through NF-kappa-B regulation may control cytokine release upon Toll-like receptors activation and therefore play a role in modulation of innate immunity. May also play a role in cell cycle progression and apoptotic process.

Subcellular Localization: Cytoplasm . Nucleus . Note=Targeted to the nucleus upon TNF treatment.

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.