

Recombinant Human KLRF2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50599

Size: 10ug, 100ug

Protein Name: Killer cell lectin-like receptor subfamily F member 2 (Lectin-like receptor F2) (Activating coreceptor NKp65)

Synonym: KLRF2

UniProt ID: D3W0D1

UniProt Link: www.uniprot.org/uniprotkb/D3W0D1/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 207 AA

Molecular Weight: 24 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MENEDGYMTLSFKNRCKSKQKSKDFSLYPQYYCLLLIFGCIVILIFIMTGIDLKFWHKKMDFSQNVNVS
SLSGHNYLCPNDWLLNEGKCYWFSTSFKTWKESQRDCTQLQAHLLVIQNLDELEFIQNSLKPGHFG
WIGLYVTFQGNLWMWIDEHFLVPELFSVIGPTDDRSCAVITGNWVYSEDCSSTFKGICQRDAILTHN
GTSGV

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 Killer cell lectin-like receptor subfamily F member 2 (Lectin-like receptor F2) (Activating coreceptor NKp65) 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: C-type lectin-like receptor involved in natural killer cell mediated cytotoxicity and cytokine secretion in keratinocytes via its interaction with CLEC2A (PubMed:20194751, PubMed:25510854). Triggers degranulation in a SYK-dependent manner and stimulates SYK phosphotyrosinylation without recruiting SYK directly (PubMed:28082678).

Subcellular Localization: Cell 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.