Recombinant Dog KLK5 Protein Product Manual

1. Product Basic Information

Product No.: REP07297

Protein Name: KLK5

Aliases: SCTE; KLKL2; KLK-L2

UniProt ID: Q9Y337

UniProt Link: https://www.uniprot.org/uniprotkb/Q9Y337/entry

Species Source: Canis lupus familiaris (Dog) (Canis familiaris)

Expression System: Mammalian cell

Protein Length: Partial (68-294aa)

Molecular Weight: 53.8 kDa

Protein Tag: C-terminal hFc1-tagged

2. Amino Acid Sequence (68-294aa)

IVNGTDCEKNAQPWQGALLLGPNKLYCGAVLVNPQWLLTAAHCRKPFFRIRLGHHS
LSPVYEAGQQLFKGIKSIPHPGYSHPGHSNDLMLIKLNRKIRETQRVKPINISSKCPS
AGTSCMVSGWGTTNSPNVQFPKVLQCLNITVLSDDRCRKAYPRQIDSTMFCAGDE
AGRDSCQGDSGGPVVCNGSLQGLVSWGDFPCAQPNRPGVYTNLCQFTKWIKDTI
QSNS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause

protein denaturation and activity loss.

5. Product Description

This product is a recombinant Dog KLK5 partial protein (68-294aa) expressed in Mammalian cell. The protein is with hFc1 tag at the C-terminus, which facilitates protein purification, detection and identification. KLK5, also known as SCTE or KLKL2 or KLK-L2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.