

# Recombinant Human CER1 Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP50173

Size: 10ug, 100ug

Protein Name: Cerberus (Cerberus-related protein) (DAN domain family member 4)

Synonym: CER1, DAND4

UniProt ID: O95813

UniProt Link: [www.uniprot.org/uniprotkb/O95813/entry](http://www.uniprot.org/uniprotkb/O95813/entry)

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 267 AA

Molecular Weight: 30 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MHLLLFQLLVLLPLGKTTRHQDGRQNQSSLSPVLLPRNQRELPTGNHEEAEEKPDLFVAVPHLVATS  
PAGEGQRQREKMLSRFGFRWKKPEREMHPSRDSSEPFPPGTQSLIQPIDGMKMEKSPLREEAKK  
FWHHFMFRKTPASQGVILPIKSHEVHWETCRTVPFSQTITHEGCEKVVVQNNLCFGKCGSVHFPGA  
AQHSHTSCSHCLPAKF TTMHLPLNCTELSSVIKVVMLVEECQCKVKTEHEDGHILHAGSQDSFIPGV  
SA

## 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 Cerberus (Cerberus-related protein) (DAN domain family member 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:** Cytokine that may play a role in anterior neural induction and somite formation during embryogenesis in part through a BMP-inhibitory mechanism. Can regulate Nodal signaling during gastrulation as well as the formation and patterning of the primitive streak (By similarity).

**Subcellular Localization:** Secreted .

## 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.