

Recombinant Dog TFRC Protein Product Manual

1. Product Basic Information

Product No.: REP08430

Protein Name: Transferrin Receptor (TFRC)

Aliases: T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46; transferrin receptor

UniProt ID: P02786

UniProt Link: <https://www.uniprot.org/uniprotkb/P02786/entry>

Species Source: Canis lupus familiaris (Dog)

Expression System: Mammalian cell

Protein Length: Partial (91-770aa)

Molecular Weight: 80.3 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (91-770aa)

YCKRVEPKAGCERPTGTEALGTERTEPSETEEYFPETPSRFLWTDLKTMLSERLSN
TDFNTMRWLNENSYVPREAGSQKDESLALIENRFREFQLSKSWRDEHFVEIQVK
SSNAQNTVTIVDMESDLVYLAESPEGYVAYSKATTVTGRLVHVNFGTKKDFENLKS
PVNGSLVIARAGKITFAEKVANAQSYNALGVLIYMDQARFPIVNARIPFFGHAHLGTG
DPYTPGPFPSFNHTQFPPSQSSGLPSIPVQTISRAAAELFENMEGDCPSAWEIDPS
CRLETSSNKNVNLTVNNVLKEIRIFNVFVVIKGFEEPPDRYVVIGAQRDAWGPGA
AKS SVGTALLLELARIFSDMV LKGGFKPSRSIVFASWSAGDFGAIGATEWLEGYLSSLHL
KAFTYINLDKAILGTSNFKVSASPLLYSLEKTMKDVKHPITGQSLYRDSNWINKVEK
LSLDAAFPFLAYSGIPAVSFCFCEDTDYPYLGTTMDLYENLNQKIPQLNKMARGAA
EVAGQLIMKLTYDLELNLNYEMYNDRILSFVRDMNQFRDIDIKEMGLNLQWLYSARG
DFFRATSRLTTDYKNAERTNRFV MREINDRIMKVEHNFLSPYVSPRDS PFRHIFWG
SGSHTLPALVEHLKLRQKNKSAFNETLLRNQLALATWTIQGAANALSGDIWDIDNEF

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).



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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 TFRC partial protein (91-770aa) expressed in Mammalian cell. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. TFRC, also known as T9 or TR or TFR, 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.