

Recombinant Human TFR2 Protein Product Manual

1. Product Basic Information

Product No.: REP08429

Protein Name: Transferrin Receptor 2 (TFR2)

Aliases: HFE3; TFRC2; transferrin receptor 2

UniProt ID: Q9UP52

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UP52/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Partial (105-801aa)

Molecular Weight: 80.7 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (105-801aa)

RGSCQACGDSVLVSEDEVNYEPDLDFHQGRLYWSDLQAMFLQFLGEGRLEDTIRQ
TSLRERVAGSAGMAALTQDIRAALSQKLDHVWTDTHYVGLQFPDPAHPNTLHWV
DEAGKVGEQLPLEDPDVYCPYSAIGNVTGELVYAHYGRPEDLQDLRARGVDPVGR
LLLVRVGVISFAQKVTNAQDFGAQGVLIYPEPADFSQDPPKPSLSSQQAVYGHVHL
GTGDPYTPGFPSFNQTQFPVASSGLPSIPAQPIASRLLRKLKGPVAPQEWQ
GSLGSPYHLGPGPRLRLVNNHRTSTPINNIFGCIEGRSEPDHYVVIGAQRDAWG
PGAAKSAVGTAILLELVRTFSSMVSNGFRPRRSLLFISWDGGDFGSGSTEWLEGY
LSVLHLKAVVYVSLDNAVLGDDKFHAKTSPLLTSLIESVLKQVDSPNHSGQTLYEQV
VFTNPSWDAEVIRPLPMDSSAYSFTAFVGVPAVEFSFMEDDQAYPFLHTKEDTYEN
LHKVLQGRLPVAQAQAVAGLQGLLIRLSDRLLPLDFGRYGDVLRHIGNLNEFSGD
LKARGLTLQWVYSARGDYIRAAEKLRQEIYSSEERDERLTRMYNVRIMRVEFYFLS
QYVSPADSPFRHIFMGRGDHTLGALLDHLRLLRSNSSGTPGATSTSTGFQESRFR
QLALLTWTLQGAANALSGDVWNIDNNF

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)



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 Human TFR2 partial protein (105-801aa) expressed in Mammalian cell. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. TFR2, also known as HFE3 or TFRC2 or transferrin receptor 2, 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.