

Active Recombinant Human TF Protein

Cat. No. TF-001H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human TF Protein without tag was expressed in <i>Oryza Sativa</i> . |
| Species | Human |
| Source | <i>Oryza Sativa</i> |
| Description | This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum. |
| Bio-activity | Biological activity verified by comparison against native human transferrin in the antibody production of hybridoma cells in serum-free supplemented media. |
| Molecular Mass | 80 kDa |
| AA Sequence | VPDKTVRWCAVSEHEATKCQSFRDHMKSVIPSDGPSVACVKKASYLDCIRAI AANEA DAVTL DAGLVYDAYLAPNNLKPVVAEFYGSKEDPQTFYYAVAVVKKDSGFQMNQLR GKKSCHTGLGRSAGWNIPIGLLYCDLPEPRKPLEKAVANFFSGSCAPCADGTDFFPQ LCQLCPGCGCSTLNQYFGYSGAFKCLKDGAGDVAFVKHSTIFENLANKADRDQYEL LCLDNTRKPVDEYKDCHLAQVPSHTVVARSMGGKEDLIWELLNQAQEHFGKDKSKE |

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FQLFSSPHGKDLLFKDSAHGFLKVPPrMDAKMYLGYEYVTAIRNLREGTCPEAPTD
 ECKPVKWCALSHHERLKCDEWSVNSVGKIECVSAETTEDCIAKIMNGEADAMSLDG
 GFVYIAGKCGLVPVLAENYNKSDNCEDTPEAGYFAIAVVKKSASDLTWDNLKGGKSC
 HTAVGRTAGWNIPMGLLYNKINHCRFDEFFSEGCAPGSKKDSSLCKLCMGSGLNLC
 EPNNKEGYGYTGAFRCLVEKGDVAFVKHQVTPQNTGGKNPDPWAKNLNEKDYEL
 LCLDGTRKPVVEYANCHLARAPNHAVVTRKDKEACVHKILRQQHFLFGSNVTDCSG
 NFCLFRSETKDLLFRDDTVCLAKLHDRNTYEKYLGEEYVKA VGNLKRCSTSSLLEAC
 TFRRP

Purity ≥ 95% by SDS-PAGE% as determined by SDS-PAGE Analysis.

GENE INFORMATION

Gene Name TF transferrin [*Homo sapiens* (human)]

Official Symbol TF

Synonyms TF; transferrin; TFQTL1; PRO1557; PRO2086; HEL-S-71p; serotransferrin; beta-1 metal-binding globulin; epididymis secretory sperm binding protein Li 71p; siderophilin

Gene ID 7018

mRNA Refseq NM_001063

Protein Refseq NP_001054

MIM 190000

UniProt ID P02787

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