



## Human TF peptide (DAG-P1248)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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. [provided by RefSeq, Sep 2009]
<b>Specificity</b>	Expressed by the liver and secreted in plasma.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the transferrin family. Contains 2 transferrin-like domains.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">TF transferrin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TF
<b>Synonyms</b>	TF; transferrin; TFQTL1; PRO1557; PRO2086; serotransferrin; siderophilin; beta-1 metal-binding globulin;

<b>Entrez Gene ID</b>	<a href="#">7018</a>
<b>mRNA Refseq</b>	<a href="#">NM_001063.3</a>
<b>Protein Refseq</b>	<a href="#">NP_001054.1</a>
<b>UniProt ID</b>	A0PJA6
<b>Chromosome Location</b>	3q22.1
<b>Pathway</b>	EPHB forward signaling, organism-specific biosystem; HIF-1 signaling pathway, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Hemostasis, organism-specific biosystem; Iron metabolism in placenta, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem;
<b>Function</b>	ferric iron binding; protein binding; ubiquitin protein ligase binding;