

Active Recombinant Pig TF Protein, His-tagged

Cat. No. TF-569P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant pig (<i>Sus scrofa</i>) transferrin (NP_001231582.1) (Met 1-Thr 715) was fused with the a polyhistidine tag at the C-terminus.
Species	Pig
Source	HEK293
ProteinLength	1-715 a.a.
Predicted N Terminal	Gln 22
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its ability to bind human His-TFRC (cat: 11020-H07H) functional ELISA.2. Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. Karey, K.P. et al. (1988) Cancer Research 48:4083. The ED50 for this effect is
Molecular Mass	The secreted recombinant <i>Sus scrofa</i> (Pig) transferrin comprises 705 amino acids and has a predicted molecular mass of 78.3 kDa. It migrates as an approximately 72 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	TF transferrin [<i>Sus scrofa</i>]
Official Symbol	TF
Synonyms	TF; transferrin; serotransferrin; siderophilin; beta-1 metal-binding globulin;
Gene ID	396996
mRNA Refseq	NM_001244653
Protein Refseq	NP_001231582
MIM	
UniProt ID	
Pathway	Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;

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