

Recombinant Chicken TF Protein, His-tagged

Cat. No. TF-2760C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken TF Protein (Ile26-Lys352) with a N-His tag was expressed in E. coli.
Species	Chicken
Source	E.coli
ProteinLength	Ile26-Lys352
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.7 kDa Accurate Molecular Mass: 40 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TF transferrin (ovotransferrin) [Gallus gallus (chicken)]
Official Symbol	TF
Synonyms	TF; transferrin (ovotransferrin); LTF; TFEW; conalbumin; ovotransferrin allergen Gal d III lactotransferrin ovotransferrin BB type ovotransferrin BC type ovotransferrin CC type serum transferrin

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Gene ID	396241
mRNA Refseq	NM_205304
Protein Refseq	NP_990635
UniProt ID	P02789

