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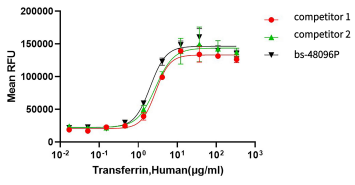
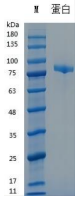
Recombinant human Transferrin protein (Active, CHO)

Catalog Number:	bs-48096P
Species:	Human
AA Seq:	20-698/698
Predicted MW:	75.2
Tags:	Tag free
Activity:	Yes
Endotoxin:	⩽0.5 EU/mg
Purity:	⩾ 95% as determined by SDS-PAGE.
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from a 0.22μm-filtered solution in sterile water Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.
Background:	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].

VALIDATION IMAGES



Measured in a serum-free cell proliferation assay using MDCK canine kidney epithelial cells. The ED50 for this effect is 0.5-2 μg/mL. Optimal concentration depends on cell type as well as the application or research objectives.



The purity of the protein is greater than 95% as determined by reducing SDS-PAGE.