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Transferrin

Catalog # PVGS1752

Product Information

Primary Accession	Q29443
Species	Bovine
Sequence	Asp20-Pro704
Purity	≥ 90% as analyzed by SDS-PAGE
Endotoxin Level	
Biological Activity	ED_{50}
Expression System	Fungi
Theoretical Molecular Weight	76.7 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in 20 mM PBS, pH7.4
Reconstitution	Before opening, centrifuge the vial briefly to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O up to 1 mg/ml.
Storage & Stability	Upon receiving, this product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable up to 1 week at 4 °C or up to 3 months at -20 °C. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	280705
Other Names	Serotransferrin, Transferrin, Beta-1 metal-binding globulin, Siderophilin, TF
Target Background	Transferrin is a blood plasma glycoprotein that plays a central role in iron metabolism and is responsible for ferric-ion delivery. Transferrin functions as the most critical ferric pool in the body. It transports iron through the blood to various tissues, such as the liver, spleen, and bone marrow.

Protein Information

Name	TF
Function	Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.

Cellular Location	Secreted.
Tissue Location	Expressed by the liver and secreted in plasma.