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# 32-5119: Recombinant Human Transferrin

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| **Alternative Name :** | Serotransferrin,Transferrin,Siderophilin,Beta-1-metal-binding globulin,TF,PRO1557,PRO2086,DKFZp781D0156, HTF. |

## Description

Source : Oryza sativa (rice). Recombinant Human Transferrin produced in Plant is a non-glycosylated, polypeptide chain containing 679 amino acids and having a molecular mass of 76 kDa. The Recombinant Human Transferrin is purified by proprietary chromatographic techniques. Transferrin is the iron-transport protein of vertebrate serum and donates iron to cells through interaction with a specific membrane receptor, CD71. Transferrin appears to be indispensable for most cells growing in tissue culture. It is referred to frequently as a growth factor because, in analogy to other growth factor-receptor interactions, proliferating cells express high numbers of transferrin receptors, and the binding of transferrin to their receptors is needed for cells to initiate and maintain their DNA synthesis. Apart from its role as an iron transport protein transferrin acts as a cytokine and has functions that may not be related to its iron-carrying capacity.

## Product Info

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| **Amount :** | 100mg / 1 gram |
| **Purification :** | Purity as determined by SDS-PAGE is 97%. |
| **Content :** | The protein (1mg/ml) was lyophilized with no additives. |
| **Storage condition :** | Lyophilized Transferrin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Transferrin Human Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles. |

## Application Note

Stock solutions can be prepared by dissolving gently into PBS for several minutes. Recommended stock concentrations are 5mg/ml to 20 mg/ml in PBS, though others can be used as well. Please try to avoid the formation of bubbles when dissolving the protein. Sterile filter through 0.2µm filter. One mg of Recombinant Human Transferrin will bind to approximately 2 micrograms of Fe.