



# DataSheet

**CATALOGUE #:** 8ST6

**PRODUCT NAME:** Recombinant soluble transferrin receptor (sTfR)

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**Source:** Expressed in a mammalian cell line

**Description** Soluble extracellular domain of human TfR (amino acid residues 101-760).  
Molecular weight 73800 Da.  
Does not contain any tags.

**Application:** As a marker of iron deficiency anemia to differentiate it from anemia of chronic disease, in biochemical studies of TfR, as calibrator or standard in immunoassays, immunogen for antibody production.

**Analysis:** Purity > 95% (SDS-PAGE in non-reducing conditions)  
Concentration is determined spectrophotometrically.

**Purification:** Immunoaffinity chromatography

**Presentation:** Lyophilized from 10 mM Tris-HCl, 0.15 M NaCl, pH 8.0 and 5 % D-mannitol, 0.1% CHAPS.  
It is recommended to reconstitute this product with deionized water to its initial concentration.

**Storage:** Lyophilized -20°C (-15 ... -30 °C allowed)  
Reconstituted -70°C (-65 ... -80 °C allowed)

**Other information:** Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.  
To prepare diluted samples of sTfR it is recommended to use 10 mM Tris-HCl, 0.15 M NaCl, pH 8.0 and 5 % D-mannitol, 0.1% CHAPS. Such samples should be frozen until use.  
Do not freeze after reconstitution, if concentration is below 0.1 mg/ml.

**Material safety note:** This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

**HyTest Ltd.**

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