



Recombinant Human Ferritin Antigen [His] (DAG-WT1041)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Purity	> 95 % as determined by SDS-PAGE
Conjugate	His
Applications	Control
Molecular Weight	21.2 kDa
Format	Liquid
Size	1 mg
Buffer	20 mM Tris, 250 mM NaCl, 1 mM EDTA, pH9.5
Preservative	None
Storage	Store at -20°C to -80°C

BACKGROUND

Introduction

Ferritin is an iron-containing protein that plays a major role in the storage and recycling of iron and its incorporation in the haemoproteins (haemoglobin and the cytochromes) where it is required for oxygen transport and cellular respiration. The protein takes up iron in the FeII (ferrous) form where it is oxidised to the FeIII oxidation state and stored as a ferric-phosphate hydroxide within the centre of the ferritin oligomer. Free iron is toxic to most organisms because it is a source of free radicals via the iron redox cycle (Fenton cycle). Iron stored by ferritin is in a soluble and non-toxic form.

Keywords Ferritin; FTL; Ferritin heavy chain