



# Recombinant Human FTL protein (DAG- WT1846)

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

## PRODUCT INFORMATION

<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	ELISA, CLIA, LFIA,
<b>Molecular Weight</b>	27 kDa
<b>Format</b>	Liquid or Lyophilized powder
<b>Size</b>	100 µg, 500 µg
<b>Buffer</b>	20 mM Tris-HCl, pH=8.0, with 150 mM NaCl
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C to -80°C. Avoid repeated freeze/thaw cycles

## BACKGROUND

<b>Introduction</b>	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 Fe(II) (ferrous) form where it is oxidized to the Fe(III) 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.
<b>Keywords</b>	Ferritin; FTL; Ferritin light chain