

Human Lactoferrin

Catalog Number: bs-41222P

Concentration: >1.0 mg/ml

AA Seq: Purified native protein

Detected MW: 82.4 kDa

Activity: Not tested

Endotoxin: Not analyzed

Purity: ≥95% (SDS-PAGE)

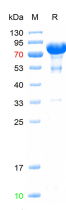
Form: Liquid

Storage: Frozen in a solution of 50mM Tris and 0.2 M NaCl (pH 8.0).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. Lactotransferrin has antimicrobial activity which depends on the extracellular cation concentration. Lactoferroxins A, B and C have opioid antagonist activity. Lactoferrin A shows preference for mu-receptors, while lactoferrin B and C have somewhat higher degrees of preference for kappa-receptors than for mu-receptors. The lactotransferrin transferrin-like domain 1 functions as a serine protease of the peptidase S60 family that cuts arginine rich regions. This function contributes to the antimicrobial activity.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.