

PRODUCT SPECIFICATIONS

Name	Recombinant Lactoferrin, 1000 µg
Description	Recombinant human lactoferrin, also known as lactotransferrin/LTF, antigen is produced by mammalian expression system and the target gene encoding Gly20-Lys710 is expressed with a 6His tag at the C-terminus. Predicted molecular weight: 77 kDa.
Amino acid sequence	<pre> GSRRRSVQWCAVSQPEATKCFQWQRNMRKVRGPPVSCIKRDSPIQCIQAIAENRADAVTLDDGGFI YEAGLAPYKLRPVAAEVYGTERRQPRTHYYAVAVVKKGGSFQLNELQGLKSCHTGLRRTAGWNVPI GTLRPFLNWTGPPEPIEAAVARFFSASCVPGADKGQFPNLCRLCAGTGENKCAFSSQEPYFSYSG AFKCLR DGAGDVAFIRESTVFEDLSDEAERDEYELLCPDNTRKPVDFKFDCHLARVP SHAVVARS VNGKEDAIWNLLRQAQEFKDKSPKFQLFGSPSGQKDLLFKDSAIGFSRVPPRIDSGLYLGSGY FTAIQNLRKSEEEVAARRARVWCAVGEQELRKCQNQWGLSEGSVTCSSASTTEDICIALVLKGEA DAMSLDGGYVYTAGKCGLVPLAENYKSSQSSDPDPCVDRPVEGYLTVAVRRSDTSLTWNSV KGKKSCHTAVDRTAGWNIPMGLLFNQGTGCKFDEYFSQSCAPGSDPRS NLCALCIGDEQGENKCE PNSNERYYG YTGAFRCLAENAGDVAFVKDVTVLQNTDGNNEAWAKDLKLADFALLCLDGKRKP TEARSCHLAMAPNHAVVSRMDKVERLKQVLLHQQAKFGRNGSDCPDKFCLFQSETKNLLFNDNT ECLARLHGKTTYEKYLG PQYVAGITNLKKCSTSPLEACEFLR KVDH HHHHHH </pre>
Production host	Human cells
Product code	710040
Product formulation	Lyophilized
Product buffer	20 mM Na-phosphate, pH 7.4, 150mM NaCl, 5 % Mannitol
Reconstitution	Reconstitute lyophilized protein with 2000 µl of deionized water
Shelf life and storage	20 °C
Analyte description	Lactoferrin is an antimicrobial protein, also known as lactotransferrin, which transfers iron to the cells. It is used in a faecal test to detect inflammation in the intestine. Lactoferrin levels are associated with disease severity in intestinal bowel disease (IBD).
Product concentration	0.5 mg/ml when reconstituted with 2000 µl of deionized water
Purity	SDS-PAGE > 90 %

