

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL:

USAN	TALACTOFERRIN ALFA
PRONUNCIATION	ta lak'' toe fer' rin
THERAPEUTIC CLAIMS	recombinant human lactoferrin (rhLF), intended for use as an anti-infective (anti-microbial and antiviral); anti-inflammatory, and antineoplastic
CHEMICAL NAMES	

- 1) lactoferrin (recombinant human LF00)
- 2) [11-L-threonine,29-L-arginine]lactoferrin(human) produced by *Aspergillus niger* var. *awamori*

STRUCTURAL FORMULA

```

GRRRRSVQWC TVSQPEATKC FQWQRNMRRV RGPPVSCIKR
DSPIQCIQAI AENRADAVTL DGGFIYEAGL APYKLRPVAA
EYVGTERQPR THYYAVAVVK KGGSFQLNEL QGLKSCHTGL
RRTAGWNVPI GTLRPFLNWT GPPEPIEAAV ARFFSASCVP
GADKGFQPNL CRLCAGTGEN KCAFSSQEPY FSYSGAFKCL
RDGAGDVAFI RESTVFEDLS DEAERDEYEL LCPDNTRKPV
DKFKDCHLAR VPSHAVVARS VNGKEDAIWN LLRQAQEKFG
KDKSPKFQLF GSPSGQKDLL FKDSAIGFSR VPPRIDSGLY
LGSYGYFTAIQ NLRKSEEEVA ARRARVWCA VGEQELRKCEN
QWSGLESGSV TCSSASTTED CIALVLKGEA DAMSLDGGYV
YTAGKCGLVP VLAENYKSQQ SSDPDPNCVD RPVEGYLAVA
VRRSDTSLT WNSVKGKKSC HTAVDRTAGW NIPMGLLFNQ
TGSCKFDEYF SQSCAPGSDP RSNLCALCIG DEQGENKCVP
NSNERYGYT GAFRCLAENA GDVAFVKDVT VLQNTDGNNN
EAWAKDLKLA DFALLCLDGK RKPVTEARSC HLAMAPNHAV
VSRMDKVERL KQVLLHQQAK FGRNGSDCPD KFCLFQSETK
NLLFNDNTEC LARLHGKTTY EKYLGPQYVA GITNLKCCST
SPLLEACEFL RK
    
```

N* : glycosylation sites

MOLECULAR FORMULA	C ₃₃₄₅ H ₅₂₁₅ N ₉₆₃ O ₁₀₁₅ S ₃₇ (protein)
MOLECULAR WEIGHT	~80 kDaltons (glycosylated)
TRADEMARK	Unknown as yet
MANUFACTURER	Agennix Incorporated
CODE DESIGNATION	LF00
CAS REGISTRY NUMBER	308240-58-6