

**RPA780Bo01 100µg**

**Recombinant Lactoferrin (LTF)**

**Organism Species: *Bos taurus*; Bovine (Cattle)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

---

13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Val25~Glu352

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .

**Original Concentration:** 450µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 9.2

**Predicted Molecular Mass:** 40.4kDa

**Accurate Molecular Mass:** 40kDa as determined by SDS-PAGE reducing conditions.

**[ USAGE ]**

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ SEQUENCE ]**

			VRWCTI	SQPEWFKCRR	WQWRMKKLGA	PSITCVRRAF
ALECIRAI AE	KKADAVTL DG	GMVFEAGR DP	YKLRPVAA EI	YGTKE SPQTH	YYAVAVV KKG	
SNFQLD QLQG	RKSCHTGL GR	SAGWIIPM GI	LRPYLSWT ES	LEPLQGAV AK	FFSASCVP CI	
DRQAYPN LCQ	LCKGEGEN QC	ACSSREPY FG	YSGAFKCL QD	GAGDVAFV KE	TTVFENL PEK	
ADRDQYEL LC	LNNSRAPV DA	FKECHLAQ VP	SHAVVARS VD	GKEDLIWK LL	SKAQEKFG KN	
KSRSFQLF GS	PPGQRDLL FK	DSALGFLR IP	SKVDSALY LG	SRYLTTLK NL	RE	

**[ IDENTIFICATION ]**

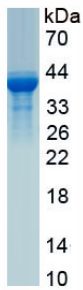


Figure. SDS-PAGE

**[ IMPORTANT NOTE ]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.