# **Recombinant Corticosteroid Binding Globulin (CBG) Instruction Manual**

# SIPB710Hu05

# Homo sapiens (Human)

**Source** Prokaryotic expression

**Host** E.coli

Endotoxin Level <1.0EU per 1µg (determined by the LAL method)

**Subcellular Location** Secreted, Extracellular matrix

**Predicted Molecular Mass** 45.6kDa

Accurate Molecular Mass 44kDa(Analysis of differences refer to the manual)

**Residues & Tags** Pro25~Val405 with N-terminal His Tag

Buffer Formulation 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA,

1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Traits** Freeze-dried powder

Purity > 80% Isoelectric Point 6.1

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

# **SEQUENCE**

PNAAYV NMSNHHRGLA SANVDFAFSL
YKHLVALSPK KNIFISPVSI SMALAMLSLG TCGHTRAQLL QGLGFNLTER
SETEIHQGFQ HLHQLFAKSD TSLEMTMGNA LFLDGSLELL ESFSADIKHY
YESEVLAMNF QDWATASRQI NSYVKNKTQG KIVDLFSGLD SPAILVLVNY
IFFKGTWTQP FDLASTREEN FYVDETTVVK VPMMLQSSTI SYLHDSELPC
QLVQMNYVGN GTVFFILPDK GKMNTVIAAL SRDTINRWSA GLTSSQVDLY
IPKVTISGVY DLGDVLEEMG IADLFTNQAN FSRITQDAQL KSSKVVHKAV
LQLNEEGVDT AGSTGVTLNL TSKPIILRFN QPFIIMIFDH FTWSSLFLAR
VMNPV

### **USAGE**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

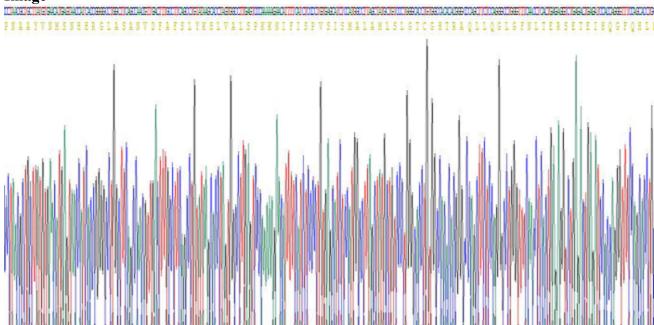
### **STORAGE**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

### **STABILITY**

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.

# **Image**



### 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.