

Recombinant Immunoglobulin E (IgE) Instruction Manual

SIPA440Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Secreted
Predicted Molecular Mass	50.7kDa
Accurate Molecular Mass	51kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala1~Lys428 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	> 90%
Isoelectric Point	8.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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ASTQSPSVFP LTRCCKNIPS NATSVTLGCL ATGYFPEPVM VTWDTGSLNG  
TTMTLPATTL TLSGHYATIS LLTVSGAWAK QMFTCRVAHT PSSTDWVDNK  
TFSVCSRDFP PPTVKILQSS CDGGGHFPPT IQLLCLVSGY TPGTINITWL  
EDGQVMDVDL STASTTQEGE LASTQSELTL SQKHWLSDRT YTCQVTYQGH  
TFEDSTKKCA DSNPRGVSAY LSRPSPFDLF IRKSPTITCL VVDLAPSKGT  
VNLTWSRASG KPVNHSTRKE EKQRNGTLTV TSTLPVGTRD WIEGETYQCR  
VTHPHLPRAL MRSTTKTSGP RAAPEVYAF A TPEWPGSRDK RTLACLIQNF  
MPEDISVQWL HNEVQLPDAR HSTTQPRKTK GSGFFVFSRL EVTRAWEQK  
DEFICRAVHE AASPSQTVQR AVSVNPGK
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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

AGCCTCCAGAGGCGGATCGCTTCCTCCCTTGGCCCGCTGCTGAGAAATTCCTCCAGTCCGACCTCGGCTGCTGAGGCTGCGCCAGCGGCTATTCCTGGACCGCGGATGGTCACTCGGACACAGCTTCCTCAACCGGACACTGATGACTTACCGCCGACCTCAGGCTCTCGGCTACTG
A STQSPSVFPLTRCCENIPSNATSVTLGCLATGTFIEPVHVTVDTGSLNGTTHLLPATLLTISGR,

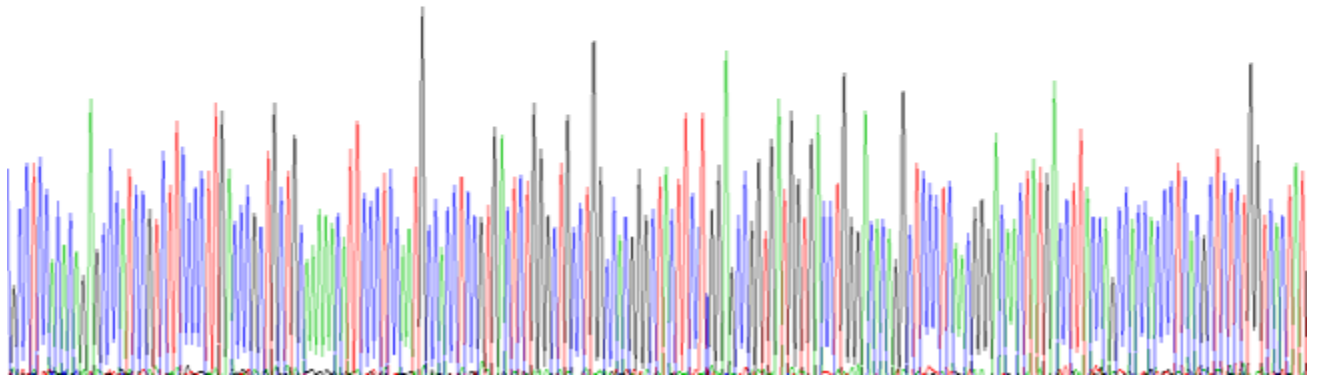


Figure. SDS-PAGE

[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.