SunLong Biotech Co.,LTD
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Recombinant Glycoprotein 130 (gp130)

Catalog Number: SIPA491Hu02 **Spec: 50ug**

Product Name	Recombinant Glycoprotein 130 (gp130)
Catalog Number	SIPA491Hu02
Organism Species	Human
Source	Prokaryotic expression.
Host	E. coli
Residues	Ser606~Gln756
Tags	N-terminal His-Tag
Tissue Specificity	Liver Placenta.
Subcellular Location	Cell membrane; Single-pass type I membrane protein.
Purity	>95%
Traits	Freeze-dried powder
Buffer formulation	10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Original Concentration	200μg/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	5.6
Predicted Molecular Mass	17.9kDa
Accurate Molecular Mass	21kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

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

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80oC 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 37oC 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]

SPHTP PRHNFNSKDQ MYSDGNFTDV SVVEIEANDK KPFPEDLKSL
DLFKKEKINT EGHSSGIGGS SCMSSSRPSI SSSDENESSQ NTSSTVQYST
VVHSGYRHQV PSVQVFSRSE STQPLLDSEE RPEDLQLVDH VDGGDGILPR
QQYFKQ

[IDENTIFICATION]

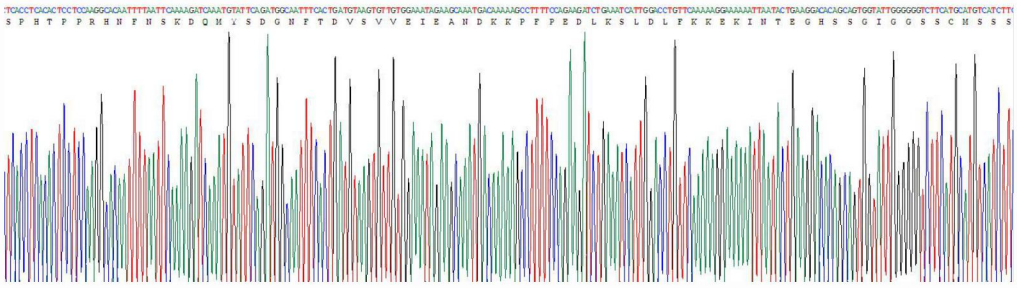


Figure 1. Gene Sequencing (Extract)

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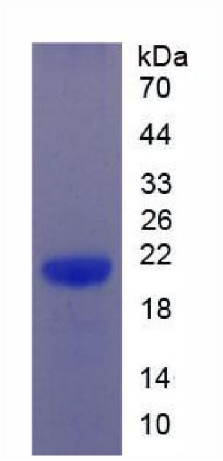


Figure 2. SDS-PAGE