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YBA947Hu01 50 μ g

Recombinant Signal Regulatory Protein Gamma (SIRPg)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[**PROPERTIES**]

Residues: Pro111~Ile372

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: Q9P1W8

Host: *E. coli*

Subcellular Location: Membrane; Single-pass
type I membrane protein.

Purity: >90%

Endotoxin Level: <1.0EU per 1 μ g
(determined by the LAL method).

Formulation: Supplied as lyophilized form in
100mM NaHCO₃, 500mM NaCl, pH8.3, containing
1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose
and preservative.

Predicted isoelectric point: 6.6

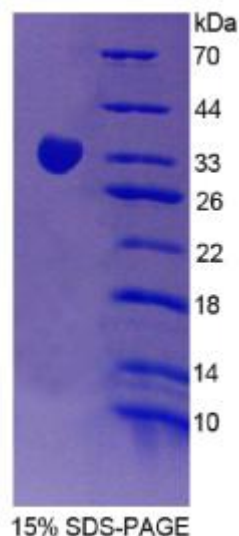
Predicted Molecular Mass: 32.5kDa

Applications: SDS-PAGE; WB; ELISA; IP.

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

[**USAGE**]

Reconstitute in sterile ddH₂O.





[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

PADVGTY YCV KFRKGS PENV EFKSGP GTEM ALGAKPSAPV VLGPAARTTP EHTVSFTCES
HGFS PRDITL KWFKN GNELS DFQTNVDPTG QSVAYSIRST ARVVLDPWDV RSQVICEVAH
VTLQGDPLRG TANLSEAIRV PPTLEV TQQP MRVGNQVNV T CQVRKFYPQS LQLTWS ENGN
VCQRETASTL TENKDGTYNW TSWFLVNISD QRDDVVLTCQ VKHDGQLAVS KRLALEVTVH
QKDQSSDATP GPASSLTALL LI

[REFERENCES]

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2. Piccio L., *et al.* (2005) Blood 105:2421-2427.
3. Wollscheid B., *et al.* (2009) Nat. Biotechnol. 27:378-386.
4. Hatherley D., *et al.* (2008) Mol. Cell 31:266-277.