RPC869Hu01 10µg
Recombinant Serglycin (SRGN)
Organism Species: Homo sapiens (Human)

Instruction manual

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

12th Edition (Revised in Aug, 2016)
[ PROPERTIES ]

Source: Prokaryotic expression.
Host: E. coli
Residues: Tyr28~Leu158
Tags: N-terminal His-Tag
Tissue Specificity: Lung.
Subcellular Location: Cytoplasmic granule. Secreted, extracellular space.
Purity: >95%
Traits: Freeze-dried powder
Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose 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: 4.6
Predicted Molecular Mass: 18.4kDa
Accurate Molecular Mass: 22kDa 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 20mM Tris, 150mM NaCl (pH8.0) 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 ]

YPT RRARYQWVRC NPDSNSANCL
EEKGPMFELL PGESNKIPRL RTDLFKPTRI QDLNRIFPLS EDYSGSGFGS
GSGSGSGGSG GFLTEMQDY QLVDESDFH DNLRSLDRLN PSDSQDLQH
GLEEDFML

[ IDENTIFICATION ]

Figure 1. SDS-PAGE