

**RPH178Hu01 1mg**

**Recombinant N-Sulfoglucosamine Sulfohydrolase (SGSH)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Arg21~Asn389

**Tags:** N-terminal His and GST Tag

**Subcellular Location:** Lysosome

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

**Original Concentration:** 800µg/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:** 7.1

**Predicted Molecular Mass:** 71.1kDa

**Accurate Molecular Mass:** 71kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in 10mM PBS (pH7.4) 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.

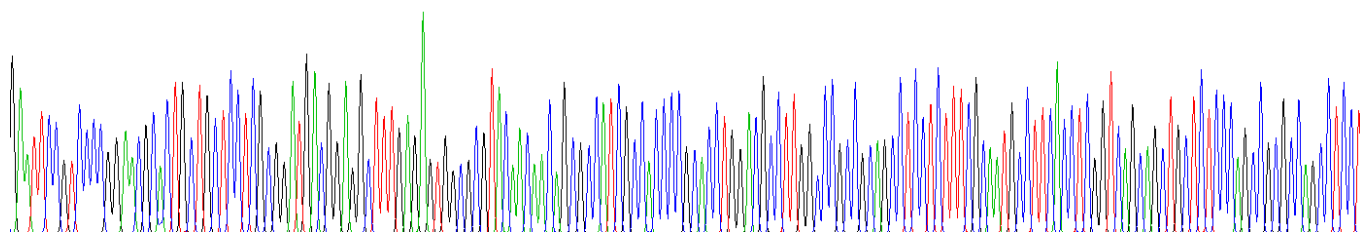
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## **[ SEQUENCE ]**

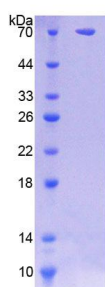
|            |            |            |             |            |
|------------|------------|------------|-------------|------------|
|            |            | RPRNALLLLA | DDGGFESGAY  | NNSAIATPHL |
| DALARRSLLF | RNAFTSVSSC | SPSRASLLTG | LPQHQNMGMYG | LHQDVHHFNS |
| FDKVRSLPLL | LSQAGVRTGI | IGKKHVGPEP | VYPFDFAYTE  | ENGSVLQVGR |
| NITRIKLLVR | KFLQTQDDRP | FFLYVAFHDP | HRCGHSQPQY  | GTFCEKFGNG |
| ESGMGRIPDW | TPQAYDPLDV | LVPLYFVPNT | AARADLAAQY  | TTVGRMDQGV |
| GLVLQELRDA | GVLNDTLVIF | TSDNGIPFPS | GRTNLYWPGT  | AEPLLVSSE  |
| HPKRWGVSE  | AYVSLDLTP  | TILDWFSIPY | PSYAIFGSKT  | IHLTGRSLLP |
| ALEAEPLWAT | VFGSQSHHEV | TMSYPMRSVQ | HRHFRLVHN   |            |

## [ IDENTIFICATION ]

5' AATTCGTCGCGGAGGCTGCTCTGCTGCGGATGACGGAGGCTTTGAGAGTGGCGCGTACAAACAACAGGCGCATGCGCACCCGCGACCTGGACGCGCTTGGCGCGCGCGAGCGCTCTCTTCGCAATGCGCTTCACTGCGTCAAGAGCTGCTCTCCAGCGCGCGAGCGCTCT



**Figure . Gene Sequencing (extract)**



**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.