

# Recombinant Human SYNCRIP Protein (2-191 aa), GST-tagged

**Cat. No.** SYNCRIP-1195H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Human SYNCRIP Protein (2-191 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Immunology. Protein Description: Partial.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 2-191 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | <p>Heterogenous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing mechanisms. Component of the CRD-mediated complex that promotes MYC mRNA stability. Isoform 1, isoform 2 and isoform 3 are associated in vitro with pre-mRNA, splicing intermediates and mature mRNA protein complexes. Isoform 1 binds to apoB mRNA AU-rich sequences. Isoform 1 is part of the APOB mRNA editosome complex and may modulate the postranscriptional C to U RNA-editing of the APOB mRNA through either by binding to A1CF (APOBEC1 complementation factor), to APOBEC1 or to RNA itself. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the Cytoplasmic domain</p> <p>deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Interacts in vitro preferentially with poly(A) and poly(U) RNA sequences. Isoform 3 may be involved in Cytoplasmic domain vesicle-based mRNA transport through interaction with synaptotagmins. Component of the GAIT (gamma interferon-activated inhibitor of</p> |

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translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation assembles into the GAIT complex which binds to stem-loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation; seems not to be essential for GAIT complex function.

|                       |                                                                                                                                                                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>           | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b> | 47.8 kDa                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>    | ATEHVNGNGTEEPMDTTSAVIHSENFQTLTDAGLPQKVAEKLDEIYVAGLVAHSDLD<br>ERAIEALKEFNEDGALAVLQQFKDSDLSHVQNKSAFLCGVMKTYRQREKQGTVAD<br>SSKGPDEAKIKALLERTGYTLDTVTGQRKYGGPPPSVYSGQQPSVGTEIFVGKIPR<br>DLFEDELVPLFEKAGPIWDL                                                                                                            |
| <b>Purity</b>         | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>  | A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                     |

## GENE INFORMATION

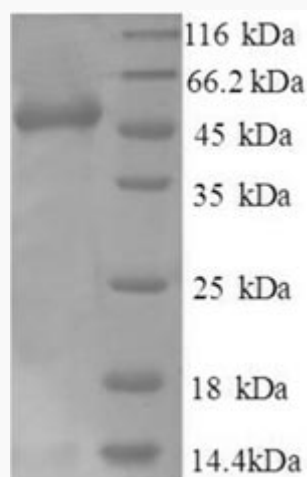
|                  |                                                                           |
|------------------|---------------------------------------------------------------------------|
| <b>Gene Name</b> | SYNCRIP synaptotagmin binding, cytoplasmic RNA interacting protein [ Homo |
|------------------|---------------------------------------------------------------------------|

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|                        |                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------|
|                        | sapiens ]                                                                                     |
| <b>Official Symbol</b> | SYNCRIP                                                                                       |
| <b>Synonyms</b>        | SYNCRIP; dJ3J17.2; GRY RBP; hnRNP Q; HNRPQ1; NSAP1; PP68; GRYRBP; GRY-RBP; hnRNP-Q; FLJ31626; |
| <b>Gene ID</b>         | 10492                                                                                         |
| <b>mRNA Refseq</b>     | NM_001159673                                                                                  |
| <b>Protein Refseq</b>  | NP_001153145                                                                                  |
| <b>UniProt ID</b>      | O60506                                                                                        |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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