

## Recombinant Mouse Sag Protein, Myc/DDK-tagged

**Cat. No.** Sag-5679M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length S-antigen, retina and pineal gland (arrestin) (Sag), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                     |
| <b>Description</b>      | Arrestin is one of the major proteins of the ros (retinal rod outer segments); it binds to photoactivated-phosphorylated rhodopsin, thereby apparently preventing the transducin-mediated activation of phosphodiesterase. |
| <b>Molecular Mass</b>   | 44.9 kDa                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                              |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                             |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                           |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                      |

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                        |                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Sag S-antigen, retina and pineal gland (arrestin) [ Mus musculus (house mouse) ]                                                                                       |
| <b>Official Symbol</b> | Sag                                                                                                                                                                    |
| <b>Synonyms</b>        | SAG; retinal S-antigen; S-arrestin; S-AG; arrestin 1; rod arrestin; 48 kDa protein; visual arrestin 1; rod photoreceptor arrestin; Arr1; Irbp; arrestin; A930001K18Rik |
| <b>Gene ID</b>         | 20215                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_009118                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_033144                                                                                                                                                              |
| <b>UniProt ID</b>      | P20443                                                                                                                                                                 |

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