



# Recombinant Mouse Signal transducing adapter molecule 1 (Stam)

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| <b>Product Code</b>      | CSB-MP022792MO  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P70297  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | <p>PLFATNPFDDQVEKATSELNNTAEDWGLILDICDKVGSRTGPKDCLRSIMRRV<br/>           NHKDPHV<br/>           AMQALTLGACVSNCGKIFHLEVCSRDFASEVSNVLNKGHPKVCEKALKALMVE<br/>           WTDEFKN<br/>           DPQLSLISAMIKNLKEQGVTFPAIGSQAAEQAKASPALVAKDPGTVATKKEEED<br/>           LAKAIE<br/>           LSLKEQRQQSAPVSTLYPSTSNLLTNHQHEGRKVRVAVYDFEAAEDNELTFKAG<br/>           EIITVLD<br/>           DSDPNWWWKGETHQGVGLFPSNFVTADLTAEPEDIKTEKKTQVFNDDVQIETIE<br/>           PEPEPAF<br/>           IDEDKMDQLLQMLQSTDPNDQPDPELLHLEAMCHQMGLIDEKLEDIDRKH<br/>           SELSELN<br/>           VKVMEALSLYTKLMNEDPMYSMYAKLQSQYYLQSSAVSASQVYPGPAQSG<br/>           TYLVAGSAQ<br/>           MTHLQSYSLPPEQLSSISQGAVPSSANQALPSQQTQASYPNAMVSSVQGNYSY<br/>           PSQASIYS<br/>           PPAAAAAAAAAAVVPVVPADVTIYQNAGPTMSQVPNYTLTSSTLPQTGGSQ<br/>           QPPQPQQA YSQKALL</p> |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | Stam  |
| <b>Protein Names</b>     | Recommended name: Signal transducing adapter molecule 1 Short name= STAM-1  |
| <b>Expression Region</b> | 2-548   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | This gene was identified by the rapid tyrosine-phosphorylation of its product in response to cytokine stimulation. The encoded protein contains a SH3 domain and the immunoreceptor tyrosine-based activation motif (ITAM). This protein associates with JAK3 and JAK2 kinases via its ITAM region, and is phosphorylated by the JAK kinases upon cytokine stimulation, which suggests  |



the function of this protein is as an adaptor molecule involved in the downstream signaling of cytokine receptors. HGS/HRS (hepatocyte growth factor-regulated tyrosine kinase substrate) has been found to bind and counteract the function of this protein.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.