



# Recombinant Mouse Signal transducing adapter molecule 1 (Stam)

<b>Product Code</b>	CSB-YP022792MO
<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>PLFATNPFDQDVEKATSELNNTAEDWGLILDICDKVGGQSRTGPKDCLRSIMRRV            NHKDPHV            AMQALTLGACVSNCGKIFHLEVCSRDFASEVSNVLNKGHPKVCEKCLKALMVE            WTDEFKN            DPQLSLISAMIKNLKEQGVTFPAIGSQAAEQAKASPALVAKDPGTVATKKEEED            LAKAIE            LSLKEQRQQSAPVSTLYPSTSNLLTNHQHEGRKVRAVYDFEAAEDNELTFKAG            EIITVLD            DSDPNWWKGETHQGVGLFPSNFVTADLTAPEMIKTEKKTQVFNDDVQIETIE            PEPEPAF            IDEDKMDQLLQMLQSTDPSDNQPDPELLHLEAMCHQMGPLIDEKLEDIDRKH            SELSELN            VKVMEALSLYTKLMNEDPMYSMYAKLQSQYYLQSSAVSASQVYPGPAQSG            TYLVAGSAQ            MTHLQSYSLPPEQLSSISQGAVPSSANQALPSQQTQASYPNAMVSSVQGNSY            PSQASIYS            PPAAAAAAAAAAVVPVVPADVTIYQNAGPTMSQVPNYTLTSSTLPQTGGSQ            QPPQPQQA YSQKALL</p>
<b>Source</b>	Yeast
<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.