

Product datasheet for TP526604

Socs1 (NM_009896) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse suppressor of cytokine signaling 1 (Socs1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR226604 protein sequence Red =Cloning site Green =Tags(s) |
| | MVARNQVAADNAISPAAEPRRRSEPSSSSSSSSPAAPVRRPCPAVPAPAPGDTHFRTRFSHSDYRRITR TSALLDACGFYWGPLSVHGAHERLRAEPVGTFLVRDSRQRNCFALSVMASGPTSIRVHFQAGRFHLDG SRETFDCLFELLEHYVAAPRRMLGAPLRQRRVRPLQELCRQRIAAVAVGRENLARIPVLRDYLSSFPF QI |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 23.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_034026 |
| Locus ID: | 12703 |
| UniProt ID: | O35716 |
| RefSeq Size: | 1220 |



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Cytogenetics: 16 5.81 cM

RefSeq ORF: 639

Synonyms: Cish1; Cish7; JAB; SOCS-1; SSI-1

Summary: SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity (By similarity). Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor (LIF). Regulates interferon-gamma mediated sensory neuron survival. Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize JAK2 (By similarity). SOCS1 appears to be a negative regulator in IGF1R signaling pathway (By similarity).[UniProtKB/Swiss-Prot Function]