

Product datasheet for TP525636

Socs3 (NM_007707) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse suppressor of cytokine signaling 3 (Socs3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225636 representing NM_007707 Red =Cloning site Green =Tags(s)
	 MVTHSKFPAAGMSRPLDTSRLKTFSSKSEYQLVNAVNRKQLQESGFYWSAVTGGEANLLLSAEPAGTFLI RDSSDQRHFFTLVKTQSGTKNLRIQCEGGSFSLQSDPRSTQVPRFDCVLKLVHHYMPPPGTPSFSLPP TEPSSEVPEQPPAQALPGSTPKRAYIYSGGEKIPLVLSRPLSSNVATLQHLCRKTVNGHLDSEYKVTQL PGPIREFLDQYDAPL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	25.2 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_031733
Locus ID:	12702
UniProt ID:	O35718
RefSeq Size:	2742



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Cytogenetics: 11 E2

RefSeq ORF: 675

Synonyms: Cis3; Cish3; EF-10; Ef10; SSI-3; Ssi3

Summary: SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells. Regulates IL-6 signaling in vivo. Probable substrate-recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity). Seems to recognize IL6ST.[UniProtKB/Swiss-Prot Function]