Recombinant Rat SOCS3 Protein (1-225 aa), His-tagged

Cat. No. SOCS3-1526R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SOCS3 Protein (1-225 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Rat
Source	Yeast
ProteinLength	1-225 aa
Description	SOCS family proteins form part of a classical negative feedback syst 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. Ses to recognize IL6ST.
Form	Tris-based buffer,50% glycerol
Molecular Mass	26.8 kDa

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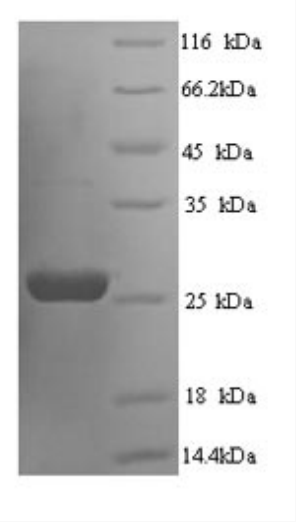
AA Sequence	MVTHSKFPAAGMSRPLDTSLRLKTFSSKSEYQLVVNAVRKLQESGFYWSAVTGGEA NLLLSAEPAGTFLIRDSSDQRHFFTLSVETQSGTKNLRIQCEGGSFSLQSDPRSTQP VPRFDCVLKLVHHYMPPPGAPSFSLPPTEPSFEVQEQPPAQALPGGTPKRAYYIYS GGEKIPLVLSRPLSSNVATLQHLCRKTVNGHLDSYEKVTQLPGPIREFLDQYDAPL
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	Socs3 suppressor of cytokine signaling 3 [Rattus norvegicus]
Official Symbol	SOCS3
Synonyms	SOCS3; Cish3; Ssi-3; Socs-3;
Gene ID	89829
mRNA Refseq	NM_053565
Protein Refseq	NP_446017

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UniProt ID	O88583



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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