

Recombinant Rat Suppressor of cytokine signaling 3(Socs3)

Catalog No: #AP70796

Package Size: #AP70796-1 20ug #AP70796-2 100ug #AP70796-3 1mg

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Description

Product Name	Recombinant Rat Suppressor of cytokine signaling 3(Socs3)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-225aaSequence Info:Full Length
Other Names	Cytokine-inducible SH2 protein 3
Accession No.	O88583
Calculated MW	40.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MVTHSKFPAAGMSRPLDTSRLKTFSSKSEYQLVNAVRLQESGFYWSAVTGGEANLLLSAEPAGTFLIRDS SDQRHFFTL SVETQSGTKNLRIQCEGGSFSLQSDPRSTQPVPRFDCVLKLVHHYMPPPGAPSFSLPPTPEPSF EVQEPPPAQALPGGTPKRAYIYSGGEKIPLVLSRPLSSNVATLQHLCKRTVNGHLDSEYKVTQLPGPIREFLD QYDAPL
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 .

References

le Cam A. Identification of the Y985 and Y1077 motifs as SOCS3 recruitment sites in the murine leptin receptor.Eyckerman S., Broekaert D., Verhee A., Vandekerckhove J., Tavernier J.FEBS Lett. 486:33-37(2000) Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.