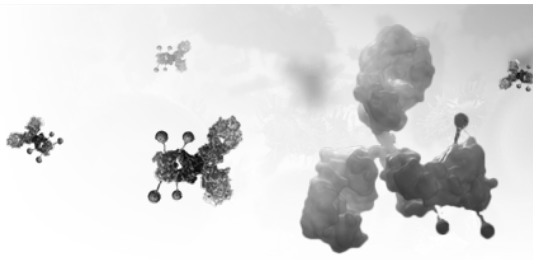

Human STAT1 blocking peptide (CDBP2828)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	STAT 1 (C - term) peptide (human)
Antigen Description	The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	BL
Concentration	0.2 mg/ml
Size	500 µl
Buffer	Preservative: 0.1% Sodium Azide; Constituents: PBS, 100µg/ml BSA
Preservative	0.1% Sodium Azide
Storage	Store this product at 4 °C, do not freeze. The product is stable for one year from the date of shipment.

GENE INFORMATION

Gene Name	STAT1 signal transducer and activator of transcription 1, 91kDa [Homo sapiens]

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Official Symbol	STAT1
Synonyms	STAT1; signal transducer and activator of transcription 1, 91kDa; signal transducer and activator of transcription 1, 91kD; signal transducer and activator of transcription 1-alpha/beta; ISGF 3; STAT91; transcription factor ISGF 3 components p91/p84; transcription factor ISGF-3 components p91/p84; signal transducer and activator of transcription-1; CANDF7; ISGF-3; DKFZp686B04100;
Entrez Gene ID	6772
mRNA Refseq	NM_007315
Protein Refseq	NP_009330
UniProt ID	P42224
Chromosome Location	2q32.2-q32.3
Pathway	Adipogenesis, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;
Function	RNA polymerase II core promoter sequence-specific DNA binding; RNA polymerase II core promoter sequence-specific DNA binding transcription factor activity; calcium ion binding; double-stranded DNA binding; enzyme binding; non-membrane spanning protein tyr

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