Recombinant Human STAT5A Protein, DYKDDDDK-tagged

Cat. No. STAT5A-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human signal transducer and activator of transcription 5A(STAT5A) protein, transcript variant 2(NM_003152), with a DYKDDDDK tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	The protein encoded by this gene is a member of the STAT family of transcription factors. 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 is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.33, without any preservatives.
Molecular Mass	90.5 kDa

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Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (<1EU /μg)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name	STAT5A signal transducer and activator of transcription 5A [Homo sapiens]
Official Symbol	STAT5A
Synonyms	STAT5A; signal transducer and activator of transcription 5A; STAT5; MGF;
Gene ID	6776
mRNA Refseq	NM_003152
Protein Refseq	NP_003143
MIM	601511
UniProt ID	P42229

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