

Datasheet for ABIN2723598
IL12A Protein (Transcript Variant 2)



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Overview

Quantity:	10 µg
Target:	IL12A
Protein Characteristics:	Transcript Variant 2
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func), Antibody Production (AbP), Standard (STD), Protein Interaction (PI)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	<ul style="list-style-type: none">• Recombinant human Interleukin-12 alpha / IL12A (transcript variant 2) protein expressed in CHO cells.• Produced with end-sequenced ORF clone• Tested for bioactivity.
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).
Biological Activity Comment:	Assay #1: ED50 was determined by the stimulation of IFN-gamma production by murine splenocytes co-stimulated with IL-18 is > 0.1 ng/ml, corresponding to a specific activity of > 1 x 10 ⁷ units/mg. Assay #2: Determined by its ability to stimulate the proliferation of 2D6 cells. The expected ED50 is

Target Details

Target:	IL12A
Alternative Name:	Interleukin-12 Alpha,il12a (IL12A Products)
Molecular Weight:	75 kDa
NCBI Accession:	NP_032377
Pathways:	JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays Protein-protein interaction In vitro biochemical assays and cell-based functional assays
Restrictions:	For Research Use only

Handling

Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20 mM phosphate buffer,100 mM NaCl, pH 7.2
Handling Advice:	Resuspend the protein in the desired concentration in proper buffer
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.