

<b>MW (kDa): L</b> 16.9	iProt ID: Ent P01579	<b>rez-Gene Id:</b> 3458
Background	limiting th and immu from lymp human ca binds to a binding to phosphor productio activation	hs (IFNs) appear both locally and systematically early after viral infection and participate in the spread of infection. They also affect cell differentiation, growth, surface antigen expression, unoregulation (1). There are three naturally occurring interferons: α, β, and γ. IFN-α is derived bobblastic tissue and has a number of therapeutic applications in the treatment of various ancers and diseases of viral origin. Recombinant IFN-α from both natural and synthetic genes a common cell surface receptor and induces antiviral activity in a variety of cell lines. When to discrete cell surface receptors on target cells, IFN-α induces rapid changes in Jak/Stat ylation, which initiates the Jak/Stat signaling pathway (2). IFN-α signaling also involves on of DAG without an increased intracellular free calcium concentration and the subsequent of calcium-independent isoforms of PKC (β and ε) (3). All IFN-α signaling pathways lead to ations of gene expression, which mediate their pleiotropic biologic activities.
	cells (4) ar	o known as type II interferon, is produced mainly in activated T lymphocytes and natural killer nd has broad effects on various cells of the immune system. Synthesis of IFN-γ is induced by naling proteins including IL-2, FGF, and EGF.
Purity	>95%	
Source / Purification	Recombin	nant human IFN-γ expressed in <i>E. coli</i>
Bioactivity	Specific ad	ctivity as determined by a viral resistance assay was less than 0.05 ng/ml.
Background Referer	2. Pellegri 3. Pfeffer,	, E.R. et al. (1982) <i>Ann Intern Med</i> 96, 80-93. ini, S. et al. (1989) <i>Mol Cell Biol</i> 9, 4605-12. L.M. and Colamonici, O.R. (1991) <i>Pharmacol Ther</i> 52, 149-57. H.A. and Hardy, K.J. (1995) <i>J. Leukoc. Biol.</i> 58, 373-381.
Trademarks and Pat	nts Cell Signa	ling Technology is a trademark of Cell Signaling Technology, Inc.
	All other t more info	trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for prmation.
Limited Uses	the follow terms and	otherwise expressly agreed in a writing signed by a legally authorized representative of CST, ving terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's d conditions that are in addition to, or different from, those contained herein, unless y accepted in writing by a legally authorized representative of CST, are rejected and are of no ffect.
	approved, purpose, of any mann Customer diagnostic componer sell, licens whether a commerci attempt to purpose of not alter of or markin applicable	are labeled with For Research Use Only or a similar labeling statement and have not been , cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in her that conflicts with its labeling statement. Products sold or licensed by CST are provided for as the end-user and solely for research and development uses. Any use of Product for c, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a nt) or other commercial purpose, requires a separate license from CST. Customer shall (a) not se, loan, donate or otherwise transfer or make available any Product to any third party, alone or in combination with other materials, or use the Products to manufacture any ial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise of developing any products or services that would compete with CST products or services, (c) or remove from the Products any trademarks, trade names, logos, patent or copyright notices tags, (d) use the Products solely in accordance with CST Product Terms of Sale and any e documentation, and (e) comply with any license, terms of service or similar agreement with o any third party products or services used by Customer in connection with the Products.

Orders: 877-616-CELL (2355) • orders@cellsignal.com • Support: 877-678-TECH (8324) • info@cellsignal.com • Web: cellsignal.com For Research Use Only. Not for Use in Diagnostic Procedures.