

## Product datasheet for **AR05234PU-S**

### Interleukin-6 / IL6 Chicken Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Interleukin-6 / IL6 chicken recombinant protein, 50 µg
Species:	Chicken
Concentration:	lot specific
Purity:	>85% by Ni Chelate chromatography
Buffer:	State: Liquid purified protein Buffer System: Phosphate buffered saline
Preparation:	Liquid purified protein
Applications:	Functional Assays. In vitro Assay.
Protein Description:	His-tagged recombinant interleukin-6 expressed in <i>E.coli</i> . This protein induces corticosterone secretion in vivo and induces proliferation of the IL-6 dependant murine hybridoma cell line 7TD1 in vitro.
Storage:	Store the protein at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: 3 month from despatch.
RefSeq:	<a href="#">NP_000591</a>
Locus ID:	3569
UniProt ID:	<a href="#">P05231</a> , <a href="#">Q75MH2</a> , <a href="#">B4DVM1</a>
Cytogenetics:	7p15.3
Synonyms:	BSF-2; BSF2; CDF; HGF; HSF; IFN-beta-2; IFNB2; IL-6



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**Summary:**

This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2). [provided by RefSeq, Aug 2020]

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Graft-versus-host disease, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Jak-STAT signaling pathway, NOD-like receptor signaling pathway, Pathways in cancer, Prion diseases, Toll-like receptor signaling pathway