

# Product datasheet for AR52011PU-S

### Interleukin-6 / IL6 (30-212) Human Protein

#### **Product data:**

#### OriGene Technologies, Inc.

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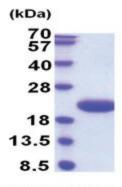
| Product Type:                            | Recombinant Proteins   |
|--|--|
| Description:                             | Interleukin-6 / IL6 (30-212) human protein, 5 μg   |
| Species:                                 | Human  |
| Expression Host:                         | E. coli  |
| Expression cDNA Clone<br>or AA Sequence: | MVPPGEDSKD VAAPHRQPLT SSERIDKQIR YILDGISALR KETCNKSNMC ESSKEALAEN<br>NLNLPKMAEK DGCFQSGFNE ETCLVKIITG LLEFEVYLEY LQNRFESSEE QARAVQMSTK<br>VLIQFLQKKA KNLDAITTPD PTTNASLLTK LQAQNQWLQD MTTHLILRSF KEFLQSSLRA LRQM |
| Predicted MW:                            | 20.9 kDa   |
| Concentration:                           | lot specific   |
| Purity:                                  | >95% by SDS – PAGE   |
| Buffer:                                  | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: Phosphate buffered saline (pH 7.4).   |
| Bioactivity:                             | Specific: Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 for this effects 0.2 - 0.8 ng/ml.   |
| Endotoxin:                               | < 1.0 EU per 1 microgram of protein (determined by LAL method)   |
| Preparation:                             | Liquid purified protein  |
| Storage:                                 | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:                               | Shelf life: one year from despatch.  |
| RefSeq:                                  | <u>NP 000591</u>   |
| Locus ID:                                | 3569   |
| UniProt ID:                              | <u>P05231</u>  |
| Cytogenetics:                            | 7p15.3   |
| Synonyms:                                | IL-6, Interferon beta-2, IFNB2, B-cell stimulatory factor 2, BSF-2, CDF  |



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|                   | Interleukin-6 / IL6 (30-212) Human Protein – AR52011PU-S  |
|-------------------|---|
| 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 suspectibility 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 Pathway   | 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  |

## Product images:



15% SDS-PAGE (3ug)

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