

## Product datasheet for **TP723205**

### IL19 (NM\_013371) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Human interleukin 19 (IL19), transcript variant 2.   |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | MLRRCLISTD MHHIEESFQE IKRAIQAKDT FPNVTILSTL ETLQIIKPLD VCCVTKNLLA FYVDRVFKDH QEPNPKILRK ISSIANSFLY MQKTLRQCQE QRQCHCRQEA TNATRVIHNDN YDQLEVHAAA IKSLGELDVF LAWINKNHEV MSSA |
| Tag:                                  | Tag Free   |
| Predicted MW:                         | 17.9 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >95% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                               | Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2  |
| Bioactivity:                          | Determined by its ability to activate STAT following receptor-ligand interaction.  |
| Endotoxin:                            | Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)  |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.  |
| RefSeq:                               | <a href="#">NP_037503</a>  |
| Locus ID:                             | 29949  |
| UniProt ID:                           | <a href="#">Q9UHD0</a>   |
| RefSeq Size:                          | 1831   |
| Cytogenetics:                         | 1q32.1   |
| RefSeq ORF:                           | 531  |
| Synonyms:                             | IL-10C; MDA1; NG.1; ZMDA1  |



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**Summary:**

The protein encoded by this gene is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced transcript variants encoding the distinct isoforms have been described. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

**Product images:**