

BACKGROUND:

Interleukin-19 (IL-19) is a member of the IL-10 family produced by resting B cells and monocytes, being up-regulated when monocytes are treated with GM-CSF or LPS. IL-19 shares a receptor complex with IL-20, and functional acts to induce IL-6 and TNF- α production by monocytes and promotes the Th2 response.

Recombinant human IL-19 is a non-glycosylated protein, containing 155 amino acids and having a molecular mass of 17.9 kDa.

Cat. No.:
RP1088AF

Alternate Names:
Melanoma differentiation associated-like protein

AA Sequence:

| | | |
|------------|------------|------------|
| MLRRCLISTD | MHHIEESFQE | IKRAIQAKDT |
| FPNVTILSTL | ETLQIIKPLD | VCCVTKNLLA |
| FYVDRVFKDH | QEPNPKILRK | ISSIANSFLY |
| MQKTLRQCQE | QRQCHCRQEA | TNATRVIHND |
| YDQLEVHAAA | IKSLGELDVF | LAWINKNHEV |
| MFSA | | |

TECHNICAL INFO

Source:
E. coli

Physical Appearance:
Sterile Filtered white lyophilized (freeze-dried) powder.

Formulation:
0.1% Trifluoroacetic Acid (TFA)

Stability:
Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution:

Protein Content and Purity determined by:

- UV spectroscopy at 280 nm.
- RP-HPLC calibrated against a known standard.
- Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

Endotoxin Level:
Endotoxin level, as measured by LAL analysis, is <0.01ng/ug or <0.1EU/ug.

Biological Activity:
Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Animal Component-Free
This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

