

IL-27 / EBI-3, Murine Recombinant

CATALOG #: 4377-20 20 µg
4377-100 100 µg
4377-1000 1 mg

ALTERNATE NAMES #: IL-35/EBI3, IL-27 EBI3 subunit, IL-35 EBI3 subunit

SOURCE: *E. coli*

PURITY: ≥ 90% by SDS-PAGE and RP-HPLC analysis
Endotoxin level is ≤1 EUs/µg protein.

MOL. WEIGHT: Monomer, 23 kDa (207 amino acids)

FORM: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid.

RECONSTITUTION: In sterile 20 mM HCl at 0.1 mg/ml. Centrifuge the vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 °C and avoid repeat freeze thaws.

STORAGE CONDITIONS: The lyophilized product is very stable at -20 °C. 12 months from date of receipt when stored at -20 °C to -80 °C as supplied. 1 month when stored at 4 °C after reconstituting as directed. 3 months when stored at -20 °C to -80 °C after reconstituting as directed.

DESCRIPTION: Epstein-Barr Virus Induced Gene-3 (EBI-3), is a secreted glycoprotein belonging to the hematopoietin receptor family and related to the p40 subunit of IL-12. It was identified by its induced expression in B-lymphocytes in response to Epstein-Barr virus infection. EBI-3 forms heterodimers with p28 to form IL-27 and with p35 to form IL-35. Both IL-27 and IL-35 have anti-inflammatory and regulatory activity. Recombinant Mouse EBI is a non-glycosylated polypeptide chain consisting of 207 amino acids with a molecular weight of 22,900 Da.

AMINO ACID SEQUWNXE: MALVALSQPR VQCHASRYPV AVDCSWTPLQ APNSTRSTSF IATYRLGVAT QQSQPCLQR SPQASRCTIP DVHLFSTVPY MLNVTAVHPG GASSLLAFV AERIIKPDPP EGVLRTAGQ RLQVLWHPPA SWPFPDIFSL KYRLRYRRRG ASHFRQVGP I EATTFTLRNS KPHAKYCIQV SAQDLTDYGK PSDWSLPGQV ESAPHKP

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies