

## GFH162 Recombinant Human IL-27 / EBI-3

### Description

Epstein-Barr virus induced gene-3 (EBI-3), is a secreted glycoprotein belonging to the hematopoietin receptor family related to the p40 subunit of interleukin-12 (IL-12). EBI-3 expression is induced in B-lymphocytes in response to Epstein-Barr virus infection. EBI-3 forms heterodimers with p28 to form interleukin-27 (IL-27), and with p35 to form interleukin-35 (IL-35). Both IL-27 and IL-35 have anti-inflammatory and regulatory activity.

<b>Length</b>	210 aa
<b>Molecular Weight</b>	23.4 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	Q14213
<b>Purity</b>	≥90% determined by reducing and non-reducing SDS-PAGE

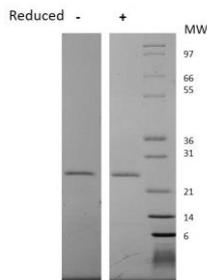
### Specifications

<b>Alternative Names</b>	IL-35/EBI-3, IL-27/EBI-3, interleukin-27, interleukin 27, IL27, IL 27, EBI-3 subunit, epstein-barr virus induced gene-3
<b>Biological Activity</b>	Activity to be determined.
<b>Endotoxin Level</b>	≤5.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) and mannitol (2:1 mannitol to protein ratio)
<b>AA Sequence</b>	MRKGPPAALT LPRVQCRASR YPIAVDCSWT LPPAPNSTSP VSFIATYRLG MAARGHSWPC LQQTPTSTSC TITDVQLFSM APYVLNVTAV HPWGSSSSFV PFITEHIKPK DPPEGVRLSP LAERQLQVQW EPPGSWPFPE IFSLKYWIRY KRQGAARFHR VGPIEATSFI LRAVRPRARY YVQVAAQDLT DYGELSDWSL PATATMSLGK

### Preparation and Storage

<b>Reconstitution</b>	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 20 mM HCl at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	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.

### Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane.  
Human IL-27 / EBI-3 has a predicted Mw of 23.4 kDa.