Macaque Epstein-Barr Virus Induced Gene-3

SIZE	CAT. NO.
20 µg	RP4007-20
500 µg	RP4007-500
1000 µg	RP4007-1000

BACKGROUND:

Epstein-Barr virus induced gene 3 (EBI3) is a secreted glycoprotein belonging to the hematopoietin receptor family related to the p40 subunit of interleukin 12 (IL-12). EBI3 expression is induced in B-lymphocytes in response to Epstein-Barr virus infection. EBI3 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.

Recombinant Macaque Epstein-Barr Virus Induced Gene-3 is a non-glycosylated protein monomer, containing 210 amino acids and having a molecular mass of 23.4 kDa.

Cat. No.:
RP4007

Alternate Names:
IL-35/EBI3, IL-27 EBI3 subunit, IL-35 EBI3 subunit

AA Sequence:

MRKGPPAALT	LPRVQCRAPR	YPIAVDCSWT
LPPAPNSTSP	VSFIATYRFG	MAARGHSWPC
LQQTPASTSC	TIADVRLFSM	APYVLNVTAV
HPWGSSSSFV	PFIAEHIIKP	DPPEGVRLSP
LAERQLQVQW	EPPRSWPFPE	IFSLKYWIRY
KRQGAARFHQ	VGPIEATSFI	LRAVRPRARY
CVQVAAQDLT	DYGELSDWSL	PATTPMSPGK

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:
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.

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.