

Recombinant Human Interleukin-37/IL-37 Protein

Catalog Number: PKSH033613

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

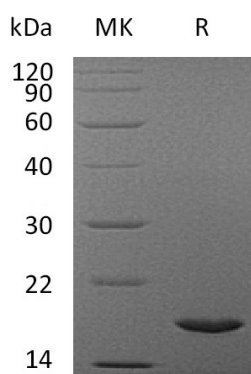
Description

Species	Human
Calculated MW	18.7 kDa
Observed MW	18 kDa
Accession	Q9NZH6
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 1 EU/μg as determined by LAL test.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 2mM DTT, pH 7.4.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95% as determined by reducing SDS-PAGE.

Background

Human Interleukin family 1 Member 7 (IL1F7) is a member of the Interleukin 1 cytokine family. Five alternatively spliced transcript variants encoding distinct isoforms have been reported with distinct expression profiles. The longest IL1F7 transcript, referred to as IL1F7b or IL1F7 isoform 1, encodes a 218 amino acid residues proprotein containing a 45 amino acid propeptide, which is cleaved to generate mature protein. IL1F7b binds to IL18 Rα with low affinity but does not exert any IL18 agonistic or antagonistic effects. IL1F7b also binds interleukin 18 binding protein (IL-18BP), an inhibitory binding protein of interleukin 18 (IL-18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL-18.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017