

## IL-36 gamma Protein, Human, Recombinant

### General Information

Synonyms:	IL1RP2;IL36 $\gamma$ ;interleukin 36, $\gamma$ ;interleukin 36, gamma;IL1E;IL-1F9;IL1H1;IL-1H1;IL1F9;IL-1RP2
Protein Construction:	A DNA sequence encoding the human IL1F9 isoform 1 (Q9NZH8-1) (Met 1-Asp 169) was expressed. Predicted N terminal: Met 1
Species:	Human
Expression Host:	E. coli
Accession:	Q9NZH8-1
Molecular Weight:	18.9 kDa (predicted); 18 kDa (reducing conditions)

### QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 $\mu$ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Reference

- Dinarello CA. (2002) The IL-1 family and inflammatory diseases. *Clin Exp Rheumatol.* 20(5): 1-13.
- Berglof E, et al. (2003) IL-1Rrp2 expression and IL-1F9 (IL-1H1) actions in brain cells. *J Neuroimmunol.* 139(1-2): 36-43.
- Dunn E, et al. (2001) Annotating genes with potential roles in the immune system: six new members of the IL-1 family. *Trends Immunol.* 22(10): 533-6.
- Towne JE, et al. (2004) Interleukin (IL)-1F6, IL-1F8, and IL-1F9 signal through IL-1Rrp2 and IL-1RAcP to activate the pathway leading to NF-kappaB and MAPKs. *J Biol Chem.* 279(14): 13677-88.

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