

IL-4R Protein, Pig, Recombinant (His)

General Information

Synonyms:	IL-4RA;IL-4R-alpha;IL-4R subunit alpha;Interleukin-4 receptor subunit alpha;IL4R;CD124;IL-4 receptor subunit alpha
Protein Construction:	33-240 aa
Species:	Sus scrofa (Pig)
Expression Host:	E. coli
Accession:	Q863Z5
Molecular Weight:	28.2 kDa (predicted)
AA Sequence:	VRVLEWPICLSDYVSTSTCEWRMAGPVNCSAEFRLSYQLKFFNTENHTTCVPENRAGSVCVCHMLMESIVVD TYQLDLWAGEQLLWNSSFKPSQNVKPLAPRNLMVHANISHTWLLTWSNPYPSESYLYSELTYLVNISNENDP TDFRIYNVTYLGPTLRFPANTLKSGAAYSARVKAWAQRYNSTWSEWSPSVKWLNYEEPLEQR

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

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:

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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Receptor for both interleukin 4 and interleukin 13. Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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