



# Recombinant Human Interleukin-29 (IL29)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP811596HU-B  |
| <b>Abbreviation</b>      | IL29  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |
| <b>Uniprot No.</b>       | Q8IU54  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | G PVPTSKPTTT GKGCHIGRFK SLSPQELASF KKARDALEES LKLKNWSCSS<br>PVFPGNWDLR LLQVRERPVA LEAELATLK VLEAAAGPAL EDVLDQPLHT<br>LHHILSQLQA CIQPQPTAGP RPRGRLHHLWL HRLQEAPKKE SAGCLEASVT<br>FNLFRLLTRD LKYVADGNLC LRTSTHPEST  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | IFNL1   |
| <b>Protein Names</b>     | Recommended name: Interleukin-29 Short name= IL-29 Alternative name(s):<br>Cytokine Zcyto21 Interferon lambda-1 Short name= IFN-lambda-1  |
| <b>Expression Region</b> | 20-200  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 28B (IL28B) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA). |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  |



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