

Product datasheet for **TP727382**

IL23r Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Mouse IL-23 Receptor/IL-23R (C-Fc) |
| Species: | Mouse |
| Expression cDNA Clone or AA Sequence: | Gly24-Asp372 |
| Tag: | C-Fc |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4. |
| Note: | Recombinant Mouse Interleukin-23 Receptor is produced by our Mammalian expression system and the target gene encoding Gly24-Asp372 is expressed with a Fc tag at the C-terminus. |
| Storage: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 209590 |
| UniProt ID: | Q8K4B4 |
| Synonyms: | Interleukin-23 receptor; IL23r; IL-23 receptor; IL-23R; interleukin 23 receptor |
| Summary: | Interleukin 23 receptor (IL23R), a heterodimer of the IL12 receptor $\beta 1$ (IL12R $\beta 1$) and IL12R $\beta 2$, is a type I cytokine receptor for IL23. IL23R is comprised of two subunits, the IL12R $\beta 1$ subunit, which is shared with several cytokines, and a subunit that is unique to IL-23. IL23, after binding to IL23R, activates memory T cells and mediates pro-inflammatory activities in part by the production of IL17 through activation of TH17 lymphocytes. IL23R is expressed on T cells, NK cells, dendritic cells, and macrophages. In fact, polymorphisms of the IL23R gene were reported to be associated with susceptibility to inflammatory diseases and autoimmune diseases such as psoriasis, multiple sclerosis, Graves's ophtalmopathy and inflammatory bowel diseases. The IL23R is known to be critically involved in the carcinogenesis of different malignant tumor. |



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