

RPES8434

Product Information

Product SKU:	RPES8434	Expression Host:	Mammalian	Size:	20µg
Tag:	C-Fc	Reactivity:	Mouse	Accession:	Q9EQ14

Additional Information

Calculated MW:	44.1 kDa	Observed MW:	40-50 kDa
Sequence:	Val22-Ala196		

Protein Information

Background: IL-23, which is mainly secreted by antigen-presenting cells, is a member of the IL-12 family, which includes IL-12, IL-27, and IL-35. IL-23 is a heterodimeric cytokine, comprised of a unique p19 subunit and p4 subunit, the latter of which is shared with IL-12. The receptor for IL-23 consists of IL-23R and IL-12Rβ1, the latter of which is also characteristic of IL-12. IL-23 is essential for Th17 differentiation, expansion, and survival by binding to its receptor, thereby activating the signaling pathway. Many studies revealed that the IL-23/Th17 pathway is implicated in the pathophysiology of various autoimmune diseases, such as autoimmune arthritis, primary biliary cirrhosis, and inflammatory bowel disease.

Synonyms: IL 23, IL 23 A, IL 23 subunit alpha, IL 23A, IL 23p19, IL-23 subunit alpha, IL-23-A, IL-23p19, IL12B, IL23, IL23a, IL23A_HUMAN, IL23P19, interleukin 12B, Interleukin 23 alpha subunit p19, Interleukin 23 p19 subunit, interleukin 23 subunit alpha, interleukin 23 subunit p19, interleukin six, G CSF related factor, Interleukin-23 subunit alpha, Interleukin-23 subunit p19, JKA3 induced upon T cell activation, MGC79388, P19, SGRF

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

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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.