

RPES8359

Product Information

Product SKU: RPES8359	Expression Host: Mammalian	Size: 20µg
Tag: C-Fc	Reactivity: Human	Accession: Q9NPF7

Additional Information

Calculated MW: 43.6 kDa	Observed MW: 45 kDa
Sequence: Arg20-Pro189	

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: UNQ, PRO, IL-23, IL-23A, IL23A, SGRF, UNQ2498, PRO5798

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

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.