

RPES8200

Product Information

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|---------------------|----------|-------------------------|--------|-------------------|--------|
| Product SKU: | RPES8200 | Expression Host: | E.coli | Size: | 20µg |
| Tag: | N-Sumo | Reactivity: | Mouse | Accession: | Q8K3I6 |

Additional Information

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|-----------------------|--------------|---------------------|--------|
| Calculated MW: | 35.5 kDa | Observed MW: | 42 kDa |
| Sequence: | Phe29-Ser234 | | |

Protein Information

Background: IL-27 protein is a member of the IL-6 superfamily, which is expressed on monocytes, endothelial cells, and dendritic cells. IL-27 protein is also referred to as the IL-12 p35-related protein, p28, is one subunit of a heterodimeric cytokine complex, and associates with another subunit EBI3 (EBV-induced gene 3), and IL-12 p40-related protein (IL-27B). IL-27 protein is an early product of activated antigen-presenting cells and drives the rapid clonal expansion of naive CD4(+) T cells and plays a role in the early regulation of Th1 cells initiation which drives efficient adaptive immune response. IL-27 protein has an antiproliferative activity on melanomas through WSX-1/STAT1 signaling. Thus, IL-27 protein may be an attractive candidate as an antitumor agent applicable to cancer immunotherapy.

Synonyms: IL-T, IL27a, IL27, IL-27, IL-27A, IL27p28, IL30, MGC71873, p28

Endotoxin: < 10 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.