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## Product Datasheet

### Rat IL6 protein, His tag (active), Unconjugated GTX00341-PRO

Article Name	Rat IL6 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00341-PRO
Supplier Catalog Number	GTX00341-pro
Alternative Catalog Number	GTX00341-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Rat
Conjugation	Unconjugated
NCBI	<a href="#">24498</a>
UniProt	<a href="#">P20607</a>
Buffer	Reconstitute with 10mM PBS (pH7.4) to 0.1-1.0mg/ml. Do not vortex. Lyophilized from PBS (pH7.6), 5% Trehalose, no preservatives.
Expression System	HEK293 cells
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Phe25~Thr211 (NP_036721.1)

Application Notes

Interleukin-6 (IL-6), a pro-inflammatory cytokine and an anti-inflammatory myokine, plays important roles in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. It has been reported that IL-6 significantly increased the MMP-10 protein level in the human lung cancer A549 cells through the JAK/STAT signaling pathway. Briefly, A549 cells were seeded into 6-well cell culture clusters and allowed to grow to 50-70% confluence, then different concentrations of IL-6 was added. After incubated for 24h, the protein levels of MMP-10 in the cell supernatant were determined by Western blot. MMP-10 protein level significantly increased in A549 cells due to the stimulation of IL-6.