

Mouse IL6 protein, His tag (active)

Cat. No. GTX00286-pro

Applications Functional Assay**Species** Mouse**Package**

10 µg

Applications

Application Note

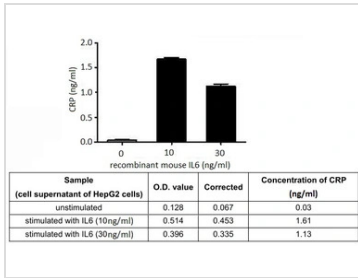
Interleukin-6 (IL-6), a pro-inflammatory cytokine and an anti-inflammatory myokine, plays important roles in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. It has been reported that IL6 induces C-reactive protein (CRP) expression through the STAT3 pathway in HepG2 cells. To test this effect, HepG2 cells were seeded overnight at a density of 1×10^5 cells/ml, and treated with or without various concentrations of IL6 for 24h and CRP levels in the cell supernatant were determined by ELISA. CRP levels in the cell supernatant of HepG2 cells increased significantly after stimulated with IL6.

Observed MW (kDa) 26-33 kDa.

Properties

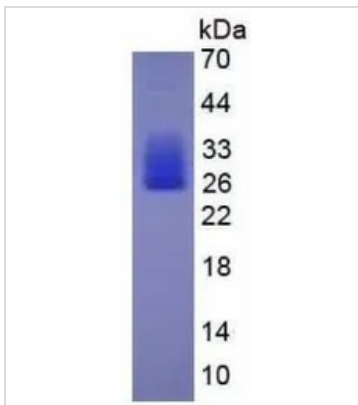
Form Lyophilized powder**Buffer** Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.**Preservative** ProClin 300**Storage** For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.**Region/Sequence** N-terminal His-Tag; Phe25~Thr211 (NP_001300983.1)**Expression System** HEK293 cells**Purity** > 95%**Endotoxin** < 1 EU/µg**Conjugation** Unconjugated**Note** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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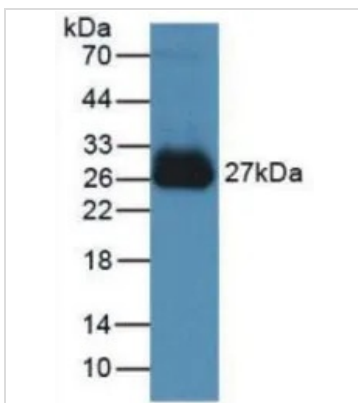
DATA IMAGES

GTx00286-pro Functional Assay Image

ELISA detection of secreted CRP protein activation from HepG2 cells induced by GTx00286-pro Mouse IL6 protein (active) for 24hrs.

Recombinant protein concentrations: 10, and 30 ng/ml.


GTx00286-pro Image

SDS-PAGE analysis of GTx00286-pro Mouse IL6 protein (active).


GTx00286-pro Image

WB analysis of GTx00286-pro Mouse IL6 protein (active).



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