

Recombinant Human HMGB1 Protein

RPCB0177

Description

This high-purity Recombinant Human HMGB1 Protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

| | |
|-------------------------|--|
| SKU: | RPCB0177 |
| Contents: | 10 µg, 20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml) |
| Synonyms: | HMG-1, HMG1, HMG3, SBP-1, HMGB1 |
| Species: | Human |
| Gene ID: | 3146 |
| Expression Host: | HEK293 cells |
| Tags: | C-His |
| Calculated MW: | 25.74 kDa |
| Observed MW: | 30 kDa |
| Purification: | ≥ 95 % as determined by SDS-PAGE. |
| Endotoxin: | < 1 EU/µg of the protein by LAL method. |
| Formulation: | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation. |
| Bio- Activity: | Measured by its binding ability in a functional ELISA. Immobilized Human HMGB1 (Cat: RP) at 2µg/mL (100 µL/well) can bind Human AGER/RAGE (Cat: RPCB0249) with a linear range of 0.1-42.8 ng/mL. |

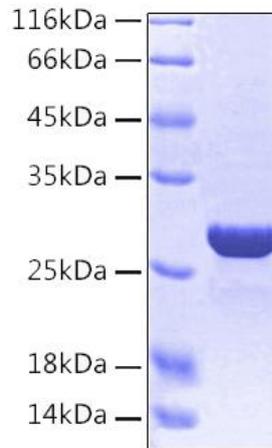
Manufacturers Statement - This final kit system is assembled and quality-released by Assay Genie Limited

Preparation & Storage

- Shipping:** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
- Storage:** Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Store Bradford Reagent at Room Temperature for 1 Year.
- Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
- Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.

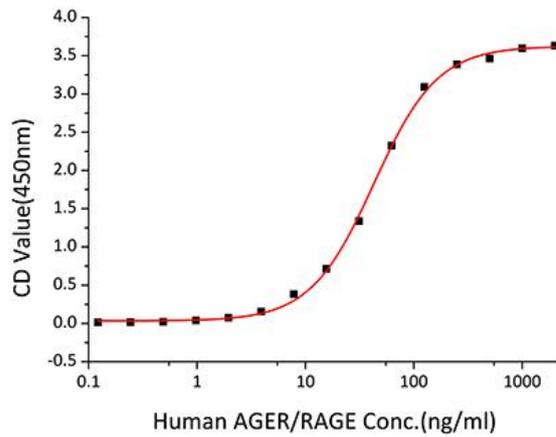
Validation Data

Image



Description

Recombinant Human HMGB1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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