

## RBBP4 Protein, Human (sf9, His)

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| Cat. No.:         | HY-P74601  |
| Synonyms:         | Histone-binding protein RBBP4; CAF-I p48; RBBP-4; RBAP48 |
| Species:          | Human  |
| Source:           | Sf9 insect cells   |
| Accession:        | Q09028 (M1-S425)   |
| Gene ID:          | 5928   |
| Molecular Weight: | Approximately 50 kDa                                     |

### PROPERTIES

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| Appearance          | Lyophilized powder.   |
| Formulation         | Lyophilized from a 0.2 $\mu$ m filtered solution of 50 mM Tris, 100 mM NaCl, 0.5 mM TCEP, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| Endotoxin Level     | <1 EU/ $\mu$ g, determined by LAL method.   |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.  |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.                |
| Shipping            | Room temperature in continental US; may vary elsewhere.   |

### DESCRIPTION

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| Background | RBBP4 Protein serves as a core histone-binding subunit with a regulatory role in chromatin assembly, acting on chromatin assembly factors, chromatin remodeling factors, and histone deacetylases. Its interactions with nucleosomal DNA govern its activity. Part of various complexes, including CAF-1 for post-replication and repair chromatin assembly, the HDAC complex for transcriptional repression, NuRD for deacetylation and nucleosome remodeling, PRC2 for gene repression, and NURF for chromatin remodeling. It directly binds to histone H4 and plays diverse roles in chromatin regulation, exemplifying its multifaceted involvement in cellular processes. |
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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