

ERH Protein, Human (N-His)

Cat. No.:	HY-P74169
Synonyms:	Enhancer of rudimentary homolog; ERH
Species:	Human
Source:	E. coli
Accession:	P84090 (M1-K104)
Gene ID:	2079
Molecular Weight:	Approximately 15 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 300mM NaCl, 5% trehalose, 5% mannitol and 0.01% Tween80, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ 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

Background	The ERH protein is suggested to play a role in the regulation of the cell cycle, indicating its potential involvement in the intricate processes governing cell division and proliferation. Structurally, it forms homodimers, a characteristic indicative of its molecular arrangement and potential functional significance. Moreover, ERH interacts with POLDIP3 and is a component of the methylosome, a 20S complex that includes CLNS1A/pICln, PRMT5/SKB1, WDR77/MEP50, PRMT1, and ERH. This complex, as identified in studies, implies ERH's participation in protein methylation processes. Additionally, ERH interacts with CHTOP, further suggesting its engagement in diverse molecular pathways and highlighting its multifaceted role within cellular mechanisms.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA