

HLTF Protein, Human

Cat. No.:	HY-P701528
Synonyms:	HLTF; Helicase-like transcription factor; DNA-binding protein/plasminogen activator inhibitor 1 regulator; HIP116; RING finger protein 80; RING-type E3 ubiquitin transferase HLTF; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 3; Sucrose nonfermenting protein 2-like 3
Species:	Human
Source:	E. coli
Accession:	Q14527 (V58-A174)
Gene ID:	6596
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	HLTF Protein exhibits both helicase and E3 ubiquitin ligase activities. With intrinsic ATP-dependent nucleosome-remodeling capabilities, it may be essential for the transcriptional modulation of specific target promoters such as SERPINE1, HIV-1, and SV40. Furthermore, HLTF plays a crucial role in error-free postreplication repair (PRR) of damaged DNA, contributing to genomic stability by acting as a ubiquitin ligase that catalyzes 'Lys-63'-linked polyubiquitination of chromatin-bound PCNA. These functions highlight its significance in maintaining the integrity of genomic processes and regulatory mechanisms.
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Caution: Product has not been fully validated for medical applications. For research use only.

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