

DNA-binding protein HU-alpha Protein, E.coli (His-SUMO)

Cat. No.:	HY-P71497
Synonyms:	hupA; Z5576; ECs4923DNA-binding protein HU-alpha; HU-2; NS2
Species:	E.coli
Source:	E. coli
Accession:	P0ACF2 (1M-90K)
Gene ID:	67415298
Molecular Weight:	Approximately 27 kDa

PROPERTIES

AA Sequence	M N K T Q L I D V I A E K A E L S K T Q A K A A L E S T L A A I T E S L K E G D A V Q L V G F G T F K V N H R A E R T G R N P Q T G K E I K I A A A N V P A F V S G K A L K D A V K
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
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	DNA-binding protein HU-alpha, a histone-like DNA-binding protein, exhibits the capacity to wrap DNA, providing stabilization and preventing denaturation under challenging environmental conditions. It forms a heterodimer consisting of an alpha and a beta chain, contributing to its functional versatility in DNA binding and protection.
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Caution: Product has not been fully validated for medical applications. For research use only.

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