
Product Data Sheet

Product Name: HAX1 Human
 Cat. No.: GP23617
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HCLS1-associated protein X-1; HS1-associating protein X-1; HS1-binding protein 1; HAX-1; HSP1BP-1; HAX1; HS1BP1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSLFDLFRGF FGFPGRSHR DPFFGGMTRD EDDDEEEEE GGSWGRGNPR FHSPQHPEE FGFGFSFSPG GGIRFHDNFG FDDLVRDFNS IFSDMGAWTL PSHPPELPGP ESETPGERLR EGQTLRDSML KYPDSHQPRI FGGVLESDAR SESPQPAPDW GSQRPFHRFD DVWPMDPHPR TREDNDLDSQ VSQEGLGPVL QPQPKSYFKS ISVTKITKPD GIVEERTTVV DSEGRTETTV TRHEADSSPR GDPESRPPA LDDAFSILD L FLGRWFRSR.		
Formulation	The HAX1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

HAX1 associates with hematopoietic cell-specific Lyn substrate 1, which is a substrate of Src family tyrosine kinases. HAX1 also interacts with the product of the polycystic kidney disease 2 gene, mutations in which are associated with autosomal-dominant polycystic kidney disease, and with the F-actin-binding protein, cortactin. It was earlier thought HAX1 is mainly localized to the mitochondria, however, recent studies indicate it to be localized in the cell body. Mutations in the HAX1 gene result in autosomal recessive severe congenital neutropenia, aka Kostmann disease.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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HAX1 Human Recombinant produced in E. coli is a single polypeptide chain containing 299 amino acids (1-279) and having a molecular mass of 33.7kDa. HAX1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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