
Product Data Sheet

Product Name: ST13 Human
 Cat. No.: GP25123
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	AAG2; SNC6; HSPABP; FAM10A1; FAM10A4; HSPABP1; ST-13; Hsc70-interacting protein; Suppression of tumorigenicity protein 13; Putative tumor suppressor ST13; Protein FAM10A1; Progesterone receptor-associated p48 protein; Renal carcinoma antigen NY-REN-33; ST13; HIP; HOP; P48; PRO0786; FLJ27260; MGC129952.		
Amino Acid Sequence	MDPRKVNELR AFVKMCKQDP SVLHTEEMRF LREWVESMGG KVPPATQKAK SEENTKEEKP DSKKVEEDLK ADEPSSEESD LEIDKEGVIEPDTDAPQEMG DENAEITEEM MDQANDKKVA AIEALNDGEL QKAILDFTDA IKLNPRLAIL YAKRASVFKV LQKPNAAIRD CDRAIEINPD SAQPYKWRGK AHRLLGHWEE AAHDLALACK LDYDEDASAM LKEVQPRAQK IAEHRRKYER KREEREIKER IERVKKAREE HERAQRREEEARQSGAQYGS FPGGFPGGMP GNFPGGMPGM GGGMPGMAGM PGLNEILSDP EVLAAMQDPE VMVAFQDVAQ NPANMSKYQS NPKVMNLISK LSAKFGGQA.		
Formulation	The ST13 protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT, 0.1M NaCl & 10% Glycerol.		

Introduction

ST13 is an adaptor protein (co-chaperone) that mediates the association of HSP70 & HSP90 and appears in early receptor complexes. ST13 plays a role in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones. The expression of ST13 is downregulated in colorectal carcinoma tissue signifying that is candidate tumor suppressor gene. Through common binding to both Hsp70 and Hsp90, ST13 functions as an adaptor that can integrate Hsp70 and Hsp90 interactions. The expression of ST13 decreases in colorectal cancer tissue compared with that in adjacent normal tissue. ST13 is mostly expressed in colorectal epithelia and

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

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adenocarcinoma cells. ST13 functions to promote the efficiency of glucocorticoid receptor maturation in cells. The expression levels of the ST13 gene were significantly decreased in primary tumors compared with adjacent mucosa.

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

Recombinant Human ST13 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 369 amino acids (12-369 a.a.) and having a molecular mass of 41.3kDa. ST13 human recombinant is purified by conventional chromatography techniques.

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