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Datasheet for ABIN620956

HSC70 Interacting Protein HIP Protein (AA 12-369)

Overview

Quantity:	50 µg
Target:	HSC70 Interacting Protein HIP (ST13)
Protein Characteristics:	AA 12-369
Origin:	Human
Host:	Please inquire
Protein Type:	Recombinant

Product Details

Sequence:	MDPRKVNELR AFVKMCKQDP SVLHTEEMRF LREWVESMGG KVPPATQKAK SEENTKEEKP DSKKVEEDLK ADEPSSEESD LEIDKEGVIE PDTDAPQEMG DENAEITEEM MDQANDKKVA AIEALNDGEL QKAIDLFTDA IKLNPRLAIL YAKRASVFK LQKPNAAIRD CDRAIEINPD SAQPYKWRGK AHRLLGHWEE AAHDLALACK LDYDEDASAM LKEVQPRAQK IAEHRRKYER KREEREIKER IERVKKAREE HERAQREEEA RRQSGAQYGS FPGGFPGGMP GNFPGGMPGM GGGMPGMAGM PGLNEILSDP EVLAAMQDPE VMVAFQDVAQ NPANMSKYQS NPKVMNLISK LSAKFGGQA
Characteristics:	Recombinant Human HSP70 Interacting Protein
Purity:	> 90.0 % as determined by SDS-PAGE.

Target Details

Target:	HSC70 Interacting Protein HIP (ST13)
Alternative Name:	HSP70 Interacting Protein (ST13 Products)

Target Details

Background:	<p>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 41.3 kDa. ST13 human recombinant is purified by conventional chromatogarpahy techniques. Introduction: ST13 is an adaptor protein (co-chaperone) that mediates the association of HSP70 and 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 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.</p> <p>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.</p>
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The ST13 protein solution contains 20mM Tris-HCl, pH-8 1mM DTT, 0.1M NaCl and 10% Glycerol.
Storage:	4 °C