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ST13 Human

Catalog #:HYPS-137

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Description: 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 convential chromatogrpahy techniques.

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, ST

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MDPRKVNELR AFVKMCKQDP SVLHTEEMRF LREWVESMGG KVPPATQKAK SEENTKEEKP DSKKVEEDLK ADEPSSEESD LEIDKEGVIEPDTDAPQEMG DENAEITEEM MDQANDKKVA AIEALNDGEL QKAIDLFTDA IKLNPRLAIL YAKRASVFVK LQKPNAAIRD CDRAIEINPD SAQPYKWRGK AHRLLGHWEE AAHDLALACK LDYDEDASAM LKEVQPRAQK IAE

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The ST13 protein solution contains 20mM Tris-HCl, pH-8 1mM DTT, 0.1M NaCl & 10% Glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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. Throµgh 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.

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