

14-3-3 sigma recombinant protein

14-3-3 sigma, 1-248aa, Human, E Coli

CATALOG # AAA48633	HOST E Coli	APPLICATIONS SDS-Page
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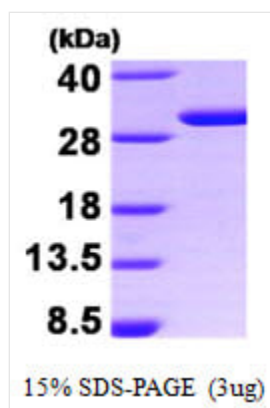
PRODUCT SYNONYMS

14-3-3 sigma; 1-248aa; Human; E Coli; stratifin; Epithelial cell marker protein 1; HME1; YWHAS; SFN; 14-3-3 sigma recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 50mM NaCl, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MERASLIQKA KLAEQAEERYE DMAAFMKGAV EKGEELSCEE RNLLSVAYKN VVGGQRAAWR VLSSIEQKSN EEGSEEKGPE VREYREKVET ELQGVCDTVL GLLDShlike AGDAESRVFY LKMKGDYYRY LAEVATGDDK KRIIDSARSA YQEAMDISKK EMPPTNPiRL GLALNFSVFH YEIANSPEEA ISLAKTTFDE AMADLHTLSE DSYKDSTLIM QLLRDNLTLW TADNAGEEGG EAPQEPQS
Sequence Length	248
Applicable Applications for 14-3-3 sigma recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for 14-3-3 sigma recombinant protein	14-3-3 sigma, also known as Stratifin (SFN), belongs to the 14-3-3 family. The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, beta, gamma, epsilon, sigma, zeta, tau and eta that have been identified in mammals. 14-3-3 sigma was identified as an epithelial cell marker and appeared to function as a tumor suppressor whose expression can be down regulated via methylation. Loss of 14-3-3 sigma expression results in a defective G2/M phase checkpoint and appears to contribute to both epithelial and non-epithelial tumorigenesis. Recombinant human 14-3-3 sigma was expressed in E. coli and purified by using conventional chromatography techniques.
Product Categories/Family for 14-3-3 sigma recombinant protein	Apoptosis
References	Benzinger A., et al. (2005) Mol Cell Proteomics. 4 (6): 785-95.; Wilker E W., et al. (2005) J Biol Chem. 280:18891-18898.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5454052
NCBI GeneID	2810
NCBI Accession #	NP_006133
NCBI GenBank Nucleotide #	NM_006142.4
UniProt Accession #	P31947 ; Q6FH30 ; Q6FH51 ; Q96DH0
Molecular Weight	27.7 kDa (248aa), confirmed by MALDI-TOF.
NCBI Official Full Name	14-3-3 protein sigma
NCBI Official Synonym Full Names	stratifin
NCBI Official Symbol	SFN
NCBI Official Synonym Symbols	YWHAS
NCBI Protein Information	14-3-3 protein sigma
UniProt Protein Name	14-3-3 protein sigma
UniProt Gene Name	SFN
UniProt Synonym Gene Names	HME1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sfn-recombinant-protein-e-coli-sds-page/48633>