

Stratifin Human

Description: Stratifin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 248 amino acids (1-248) and having a molecular mass of 27.7 kDa. Stratifin is purified by proprietary chromatographic techniques.

Catalog #:PKPS-364

For research use only.

Synonyms: 14-3-3 protein sigma, Epithelial cell marker protein 1, HME1, Stratifin, YWHAS, SFN, Stratifin.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MERASLIQKA KLAEQAERYE DMAAFMKGAV EKGEELSCEE
RNLLSVAYKN VVGQRAAWR VLSSIEQKSN EEGSEEKGPE VREYREKVET ELQGVCDTVL
GLLDSHLIKE AGDAESRVFY LKMKGDYYRY LAEVATGDDK KRIIDSARSA YQEAMDISKK
EMPPTNPIRL GLALNFSVFH YEIANSPEEA ISLAKTTFDE AMADLHTLSE DSYKDSTLIM
QLLRDNLTLW TA

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

Stratifin solution containing 20mM Tris-HCl pH-8, 50mM NaCl and 10% Glycerol.

Stability:

Stratifin Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Stratifin is part of the 14-3-3 family. The 14-3-3 family of proteins plays an important regulatory function in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are 7 isoforms, beta, gamma, epsilon, sigma, zeta, tau and eta that have been identified in mammals. Stratifin is an epithelial cell marker that functions as a tumor suppressor whose expression can be down regulated via methylation. Failure of Stratifin expression results in a defective G2/M phase checkpoint and results in epithelial and non-epithelial tumorigenesis.

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