

Recombinant Human 14-3-3 protein sigma(SFN)

Catalog No: #AP70770

Package Size: #AP70770-1 20ug #AP70770-2 100ug #AP70770-3 1mg

Description

Product Name	Recombinant Human 14-3-3 protein sigma(SFN)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-248aaSequence Info:Full Length
Other Names	Epithelial cell marker protein 1Stratifin
Accession No.	P31947
Calculated MW	54.8 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MERASLIQKAKLAEEQAERYEDMAAFMKGAVEKGEELSCEERNLLSVAYKNVVGGQRAAWRVLSSIEQKSNEE GSEKGPVEVREYREKVETELQGVCDTVLGLLDSHLIKEAGDAESRVFYLMKMGDYRYRLAEVATGDDKKRIID SARSAYQEAMDISKEMPPTNPRLGLALNFSVFHYEIANSPEEAISLAKTTFDEAMADLHTLSEDSYKDSTLIM QLLRDNLTLWTADNAGEEGGEAPQEPQS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. When bound to KRT17, regulates protein synthesis and epithelial cell growth by stimulating Akt,mTOR pathway. May also regulate MDM2 autoubiquitination and degradation and thereby activate p53,TP53.

References

Identification and structural characterization of two 14-3-3 binding sites in the human peptidylarginine deiminase type VI.Rose R., Rose M., Ottmann C.J. Struct. Biol. 180:65-72(2012) Research Topic:Neuroscience

Note: This product is for in vitro research use only and is not intended for use in humans or animals.