

Product datasheet for PH305851

STAC (NM_003149) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STAC MS Standard C13 and N15-labeled recombinant protein (NP_003140)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205851
Predicted MW:	44.6 kDa
Protein Sequence:	>RC205851 protein sequence Red=Cloning site Green=Tags(s)
	MIPPPSPREDGVDGLPKEAVGAEQPPSPASTSSQESKLQKLKRSLSFKTKSLRSKADNFFQRTNSEDMK LQAHMVAEISPSSSPLPAPGSLTSTPARAGLHPGGKAHAFHEYIFKKPTFCVNCNHMIVGTNAKHGLRCK ACKMSIHHKCTDGLAPQRCMGKLPKGFRRYSSPLLIEHQFGCIKEVMPIACGNKVDPVYETLRFGTSLA QRTKKGSSGSGSDSPHRTSTSDLVEVPEEANGPGGGYDLRKRNSVFTYPENGTDDFRDPAKNINHQSLS SKDPLQMNTYVALYKFPQENEDLEMRPGDIITLLEDSDNEDWWKGIQDRIGFFPANFVQRLQQNEKIFR CVRTFIGCKEQGITLKENQICVSEEEQDGFIRVLSGKKKGLIPLDVLENI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003140
RefSeq Size:	3098
RefSeq ORF:	1206
Synonyms:	STAC1
Locus ID:	6769



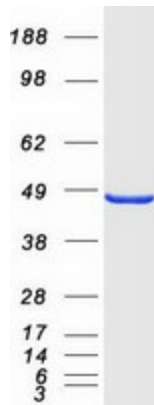
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UniProt ID: [Q8WUK8](#), [Q99469](#)

Cytogenetics: 3p22.3-p22.2

Summary: Promotes expression of the ion channel CACNA1H at the cell membrane, and thereby contributes to the regulation of channel activity. Plays a minor and redundant role in promoting the expression of calcium channel CACNA1S at the cell membrane, and thereby contributes to increased channel activity. Slows down the inactivation rate of the calcium channel CACNA1C.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified STAC protein (Cat# [TP305851]). The protein was produced from HEK293T cells transfected with STAC cDNA clone (Cat# [RC205851]) using MegaTran 2.0 (Cat# [TT210002]).