OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH300912

CHAC1 (NM_024111) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CHAC1 MS Standard C13 and N15-labeled recombinant protein (NP_077016)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200912
Predicted MW:	24.4 kDa
Protein Sequence:	>RC200912 protein sequence Red=Cloning site Green=Tags(s) MKQESAAPNTPPTSQSPTPSAQFPRNDGDPQALWIFGYGSLVWRPDFAYSDSRVGFVRGYSRRFWQGDTF HRGSDKMPGRVVTLLEDHEGCTWGVAYQVQGEQVSKALKYLNVREAVLGGYDTKEVTFYPQDAPDQPLKA LAYVATPQNPGYLGPAPEEAIATQILACRGFSGHNLEYLLRLADFMQLCGPQAQDEHLAAIVDAVGTMLP CFCPTEQALALV 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_077016
RefSeq Size:	1578
RefSeq ORF:	666
Locus ID:	79094
UniProt ID:	Q9BUX1
Cytogenetics:	15q15.1

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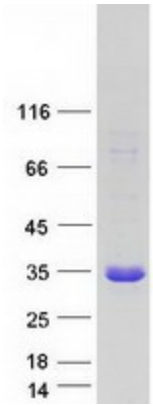
Summary: This gene encodes a member of the gamma-glutamylcyclotransferase family of proteins. The encoded protein has been shown to promote neuronal differentiation by deglycination of the Notch receptor, which prevents receptor maturation and inhibits Notch signaling. This protein may also play a role in the unfolded protein response, and in regulation of glutathione levels and oxidative balance in the cell. Elevated expression of this gene may indicate increased risk of cancer recurrence among breast and ovarian cancer patients. [provided by RefSeq, Sep 2016]

Product images:



Coomassie blue staining of purified CHAC1 protein (Cat# [TP300912]). The protein was produced from HEK293T cells transfected with CHAC1 cDNA clone (Cat# [RC200912]) using MegaTran 2.0 (Cat# [TT210002]).