

Recombinant Human CHAC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CHAC1-5990H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHAC1 MS Standard C13 and N15-labeled recombinant protein (NP_077016) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the gamma-glutamylcyclotransferase family of proteins. The encoded protein has been shown to promote neuronal differentiation by deglycosylation 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.
Molecular Mass	24.4 kDa
AA Sequence	MKQESAAPNTPPTSQSPTPSAQFPRNDGDPQALWIFGYGSLVWRPDFAYSDSRVG FVRGYSRRFWQGDTFHRGSDKMPGRVVTLLLEDHEGCTWGVAYVQVQGEQVSKALK YLNVREAVLGGYDTKEVTFYPQDAPDQPLKALAYVATPQNPGYLGPAPEEAIATQIL ACRGFSGHNLEYLLRLADFMQLCGPQAQDEHLAAIVDAVGTMLPCFCPTEQALALV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CHAC1 ChaC glutathione specific gamma-glutamylcyclotransferase 1 [Homo sapiens (human)]
Official Symbol	CHAC1
Synonyms	CHAC1; ChaC glutathione specific gamma-glutamylcyclotransferase 1; glutathione-specific gamma-glutamylcyclotransferase 1; ChaC, cation transport regulator homolog 1; ChaC, cation transport regulator-like 1; blocks Notch protein; botch; gamma-GCG 1; gamma-GCT acting on glutathione homolog 1; EC 4.3.2.7
Gene ID	79094
mRNA Refseq	NM_024111
Protein Refseq	NP_077016
MIM	614587
UniProt ID	Q9BUX1

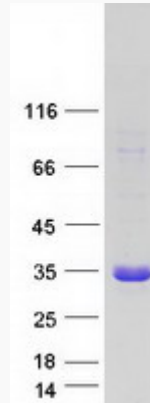
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SDS-PAGE



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