

# Recombinant Full Length Human CHAC1 Protein, GST-tagged

Cat. No. CHAC1-3306HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CHAC1 full-length ORF (NP_077016.1, 1 a.a. - 222 a.a.) recombinant protein with GST tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	222 amino acids
<b>Description</b>	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. [provided by RefSeq, Sep 2016]
<b>Molecular Mass</b>	50.8 kDa
<b>AA Sequence</b>	MKQESAAPNTPPTSQSPTPSAQFPRNDGDPQALWIFGYGSLVWRPDFAYSDSRVG FVRGYSRRFWQGDTFHRGSDKMPGRVVTLLEDHEGCTWGVAYQVQGEQVSKALK YLNVREAVLGGYDTKEVTFYPQDAPDQPLKALAYVATPQNPGYLGPAPEEAIATQIL ACRGFSGHNLEYLLRLADFMQLCGPQAQDEHLAAIVDAVGTMLPCFCPTEQALALV
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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; ChaC Glutathione Specific Gamma-Glutamylcyclotransferase 1; Gamma-GCT Acting On Glutathione Homolog 1; Blocks Notch Protein; Gamma-GCG 1; Botch; Glutathione-Specific Gamma-Glutamylcyclotransferase 1; ChaC, Cation Transport Regulator Homolog 1 (E. Coli); ChaC, Cation Transport Regulator Homolog 1; Cation Transport Regulator-Like Protein 1; ChaC, Cation Transport Regulator-Like 1; EC 2.3.2.-

**Gene ID** 79094

**mRNA Refseq** NM\_024111

**Protein Refseq** NP\_077016

**MIM** 614587

**UniProt ID** Q9BUX1

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