

Recombinant Human CHAC1 Protein, GST-Tagged

Cat. No. CHAC1-1199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHAC1 full-length ORF (NP_077016.1, 1 a.a. - 222 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	50.8 kDa
AA Sequence	MKQESAAPNTPPTSQSPTPSAQFPRNDGDPQALWIFGYGSLVWRPDFAYSDSRVG FVRGYSRRFWQGDTFHRGSDKMPGRVVTLLDHEGCTWGVAYQVQGEQVSKALK YLNVREAVLGGYDTKEVTFYPQDAPDQPLKALAYVATPQNPGYLGPAPEEAIATQIL ACRGFSGHNLEYLLRLADFMQLCGPQAQDEHLAAIVDAVGTMPCFCPTEQALALV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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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

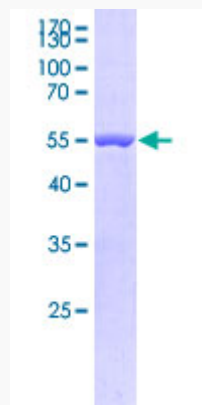
Gene Name	CHAC1 ChaC glutathione specific gamma-glutamylcyclotransferase 1 [Homo sapiens (human)]
Official Symbol	CHAC1
Synonyms	CHAC1; ChaC glutathione specific gamma-glutamylcyclotransferase 1; ChaC Glutathione Specific Gamma-Glutamylcyclotransferase 1; Gamma-GCT Acting On Glutathione Homolog 1; Blocks 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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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