Recombinant Human CHAC1 Protein (K2-V222), Tag Free

Cat. No. CHAC1-0222H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-CHAC1(K2-V222 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	K2-V222
Description	Catalyzes the cleavage of glutathione into 5-oxo-L-proline and a Cys-Gly dipeptide. Acts specifically on glutathione, but not on other gamma-glutamyl peptides. Glutathione depletion is an important factor for apoptosis initiation and execution. Acts as a pro-apoptotic component of the unfolded protein response pathway by mediating the pro-apoptotic effects of the ATF4-ATF3-DDIT3/CHOP cascade. Negative regulator of Notch signaling pathway involved in embryonic neurogenesis: acts by inhibiting Notch cleavage by furin, maintaining Notch in an immature inactive form, thereby promoting neurogenesis in embryos.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	CHAC1 ChaC, cation transport regulator homolog 1 (E. coli) [Homo sapiens (human)]
Official Symbol	CHAC1
Gene ID	79094
mRNA Refseq	NM_024111
Protein Refseq	NP_077016
MIM	614587
UniProt ID	Q9BUX1

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