

Recombinant Full Length Human CORT Protein, GST-tagged

Cat. No. CORT-1989HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CORT full-length ORF (NP_001293.2, 1 a.a. - 155 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	155 amino acids
Description	This gene encodes a neuropeptide that is structurally similar to somatostatin. It binds to all known somatostatin receptors, and shares many pharmacological and functional properties with somatostatin, including the depression of neuronal activity. However, it also has many properties distinct from somatostatin, such as induction of slow-wave sleep, apparently by antagonism of the excitatory effects of acetylcholine on the cortex, reduction of locomotor activity, and activation of cation selective currents not responsive to somatostatin. The preproprotein undergoes further processing into multiple mature products. Read-through transcripts exist between this gene and the upstream APITD1 (apoptosis-inducing, TAF9-like domain 1) gene, as represented in GeneID:100526739. [provided by RefSeq, Nov 2010]
Molecular Mass	43.6 kDa
AA Sequence	MYRHKNSWRLGLKYPPSSKEETQVPKTLISGLPGRKSSSRVGEKLQSAHKMPLSPG LLLLLLSGATATAALPLEGGPTGRDSEHMQEAAGIRKSSLLTFLAWWFEWTSQASA GPLIGEEAREVARRQEGAPPQQSARRDRMPCRNFFWKTFSSCK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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	CORT cortistatin [Homo sapiens (human)]
Official Symbol	CORT
Synonyms	CORT; cortistatin; Cortistatin; Prepro-Cortistatin; Preprocortistatin; Cortistatin-14; Cortistatin-17; Cortistatin-29; CST-14; CST-17; CST-29; cortistatin; cortistatin-14; cortistatin-17; cortistatin-29; prepro-cortistatin; preprocortistatin
Gene ID	1325
mRNA Refseq	NM_001302
Protein Refseq	NP_001293
MIM	602784
UniProt ID	O00230

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