

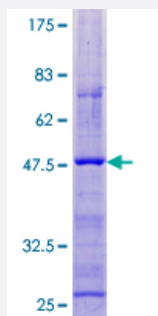
Full-Length

CORT (Human) Recombinant Protein (P01)

Catalog # H00001325-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CORT full-length ORF (NP_001293.2, 1 a.a. - 155 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MYRHKNSWRLGLKYPPSSKEETQVPKTLISGLPGRKSSSRVGEKLQSAHKMPLSPGLLLLLLSGA TATAALPLEGGPTGRDSEHMQEAAGIRKSSLLTFLAWWFEWTSQASAGPLIGEEAREVARRQEG APPQQSARRDRMPCRNFFWKTFSSCK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.6
Interspecies Antigen Sequence	Mouse (56); Rat (57)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CORT

Entrez GeneID [1325](#)

GeneBank Accession# [NM_001302.3](#)

Protein Accession# [NP_001293.2](#)

Gene Name CORT

Gene Alias CST-14, CST-17, CST-29

Gene Description cortistatin

Omim ID [602784](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene is a neuropeptide with strong structural similarity 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. [provided by RefSeq]

Other Designations OTTHUMP00000001901|OTTHUMP00000044365|cortistatin-14|cortistatin-17|cortistatin-29|prep rocortistatin

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)