

Recombinant Mouse Cort Protein, His-tagged

Cat. No. Cort-638M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cort(Lys410~Leu612) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys410~Leu612
Description	This gene encodes a member of the somatostatin family of multifunctional peptides attributed with neurohormone, neurotransmitter/modulator and autocrine/paracrine actions. The encoded preproprotein undergoes proteolytic processing to generate a mature functional peptide that can bind to somatostatin receptors. Mice lacking the encoded protein exhibit elevated levels of growth hormone in the plasma without major changes in somatic growth and have exacerbated nociceptive responses to neuropathic and inflammatory pain sensitization. Transgenic mice overexpressing the encoded protein in neurons do not express long-term potentiation in the dentate gyrus and exhibit deficits in synaptic plasticity and learning.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	26.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

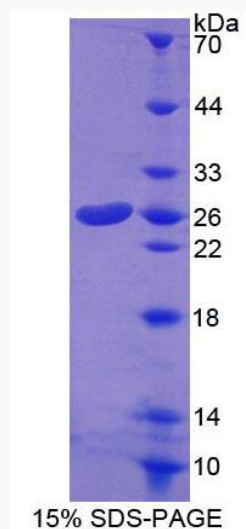
GENE INFORMATION

Gene Name	Cort cortistatin [<i>Mus musculus</i>]
Official Symbol	Cort
Synonyms	CST; PCST
Gene ID	12854
mRNA Refseq	NM_007745.3
Protein Refseq	NP_031771.1
UniProt ID	P56469

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