

Recombinant Mouse KCP Protein, His-tagged

KCP-12M Human

Lot. No. (See product label)

Specification

Product Overview	Recombinant mouse kcp protein (Val27~Arg242) with N-terminal His tag was expressed in E.coli.
Description	Enhances bone morphogenetic protein (BMP) signaling in a paracrine manner. In contrast, it inhibits both the activin-A and TGFB1-mediated signaling pathways.
Source	E.coli
Species	Mouse
Tag	His
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.3kDa Accurate Molecular Mass: 24kDa
AA Sequence	VSERQPRLADAISSQQAPSHSLVPGETHQQQWCPLEERLERLEAEVTDLRKQNRELQARVVQL ESCECWGPGHTCPEGARWEPDACTACVCRDGTACGCPQPNLPHCRGCSHNGQSYGHGETFS PDACTTCRCLAGTVQCQGPSCSELNCLESFIPPGECCPICRPGCEYEGQLHQEGSSFLSSSNPC LQCSCLRSLVRCVPVKCQPSPVLNPVPR
Endotoxin	<1.0EU per 1µg (determined by the LAL method)
Purity	>90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
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.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Gene Information

Gene Name	Kcp
Official Symbol	Kcp kielin/chordin-like protein [Mus musculus (house mouse)]

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Synonyms Crim2; Gm793; KCP-1; CRIM-2; AW060220; Kcp; kielin/chordin-like protein; kielin/chordin-like protein; cysteine rich BMP regulator 2 (chordin like); cysteine-rich BMP regulator 2; cysteine-rich motor neuron 2 protein; kielin/chordin-like protein 1

Gene ID [333088](#)

mRNA Refseq [NM_001029985](#)

Protein Refseq [NP_001025156](#)

UniProt ID [Q3U492](#)

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