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Datasheet for ABIN1880586

CALCB Protein (AA 1-127) (GST tag)

Overview

Quantity:	50 µg
Target:	CALCB
Protein Characteristics:	AA 1-127
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CALCB protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human Calcitonin Gene-Related Peptide 2/CALCB (N-GST)
Sequence:	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSENLY FQGHMGFRKF SPFLALSILV LYQAGSLQAA PFRSALESSP DPATLSKEDA RLLLAALVQD YVQMKASELK QEQTQGSSS AAQKRACNTA TCVTHRLAGL LSRSGGMVKS NFVPTNVGSK AFGRRRRDLQ A
Characteristics:	Recombinant Human Calcitonin gene-related peptide 2/CALCB is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Ala127) of Human CALCB fused with a GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	CALCB
Alternative Name:	CALCB (CALCB Products)
Sub Type:	Fusionprotein
Background:	<p>CALCB is a member of the calcitonin family. CALCB is produced in both peripheral and central neurons. It is a potent peptide vasodilator and can function in the transmission of pain. In the spinal cord, the function and expression of CGRP may differ depending on the location of synthesis. CALCB is derived mainly from the cell bodies of motor neurons when synthesized in the ventral horn of the spinal cord and may contribute to the regeneration of nervous tissue after injury.</p> <p>Alternative Names: Calcitonin gene-related peptide 2, CALC2, Beta-type CGRP, Calcitonin gene-related peptide II, CALCB.</p>
Molecular Weight:	40.9 kDa
UniProt:	P10092
Pathways:	Hormone Activity

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4, 50 % glycerol.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>

Handling

Expiry Date: 6 months