

Datasheet for ABIN7557836

Regucalcin Protein (RGN) (AA 1-299) (His tag)



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Overview

Quantity:	1 mg
Target:	Regucalcin (RGN)
Protein Characteristics:	AA 1-299
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Regucalcin protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Rgn Protein expressed in mammalian cells.
Sequence:	MSSIKVECVL RENYRCGESP VWEEASQSL L FVDIPSKIIC RWDTVSNQVQ RVAVDAPVSS VALRQLGGYV ATIGTKFCAL NWENQSVFVL AMVDEDKKNN RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGSLYSLFPD HSVKKYFDQV DISNGLDWSL DHKIFYIIDS LSYTVDAFDY DLQTGQISNR RIVYKMEKDE QIPDGMCI DA EGKLWVACYN GGRVIRLDPE TGKRLQTVKL PVDKTTSCCF GGDYSEMYV TCARDGLNAE GLLRQPDAGN IFKITGLGVK GIAPYSYAG Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Regucalcin (RGN)
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Alternative Name:	Rgn (RGN Products)
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Background:	Regucalcin (RC) (Gluconolactonase) (GNL) (EC 3.1.1.17) (Senescence marker protein 30) (SMP-30),FUNCTION: Gluconolactonase with low activity towards other sugar lactones, including gulonolactone and galactonolactone. Catalyzes a key step in ascorbic acid (vitamin C) biosynthesis. Can also hydrolyze diisopropyl phosphorofluoridate and phenylacetate (in vitro). Calcium-binding protein. Modulates Ca(2+) signaling, and Ca(2+)-dependent cellular processes and enzyme activities (By similarity). {ECO:0000250, ECO:0000269 PubMed:16585534, ECO:0000269 PubMed:23349732}.
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Molecular Weight:	33.4 kDa
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UniProt:	Q64374
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months