Datasheet for ABIN1309507

Lamin A/C Protein (LMNA) (AA 1-664) (GST tag)

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Overview

Quantity:	2 µg
Target:	Lamin A/C (LMNA)
Protein Characteristics:	AA 1-664
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This Lamin A/C protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)

Product Details

Purpose:	LMNA (Human) Recombinant Protein (P01)
Sequence:	METPSQRRAT RSGAQASSTP LSPTRITRLQ EKEDLQELND RLAVYIDRVR SLETENAGLR LRITESEEVV SREVSGIKAA YEAELGDARK TLDSVAKERA RLQLELSKVR EEFKELKARN TKKEGDLIAA QARLKDLEAL LNSKEAALST ALSEKRTLEG ELHDLRGQVA KLEAALGEAK KQLQDEMLRR VDAENRLQTM KEELDFQKNI YSEELRETKR RHETRLVEID NGKQREFESR LADALQELRA QHEDQVEQYK KELEKTYSAK LDNARQSAER NSNLVGAAHE ELQQSRIRID SLSAQLSQLQ KQLAAKEAKL RDLEDSLARE RDTSRRLLAE KEREMAEMRA RMQQQLDEYQ ELLDIKLALD MEIHAYRKLL EGEEERLRLS PSPTSQRSRG RASSHSSQTQ GGGSVTKKRK LESTESRSSF SQHARTSGRV AVEEVDEEGK FVRLRNKSNE DQSMGNWQIK RQNGDDPLLT YRFPPKFTLK AGQVVTIWAA GAGATHSPPT DLVWKAQNTW GCGNSLRTAL INSTGEEVAM RKLVRSVTVV EDDEDEDGDD LLHHHHGSHC SSSGDPAEYN LRSRTVLCGT CGQPADKASA SGSGAQVGGP ISSGSSASSV TVTRSYRSVG GSGGGSFGDN LVTRSYLLGN SSPRTQSPQN CSIM

Product Details

Characteristics:	Human LMNA full-length ORF (NP_733821.1, 1 a.a. - 664 a.a.) recombinant protein with GST-tag at N-terminal.
Purification:	in vitro wheat germ expression system

Target Details

Target:	Lamin A/C (LMNA)
Alternative Name:	LMNA (LMNA Products)
Background:	Full Gene Name: lamin A/C Synonyms: CDCD1,CDDC,CMD1A,CMT2B1,EMD2,FPL,FPLD,HGPS,IDC,LDP1,LFP,LGMD1B,LMN1,LMNC,PRO1
Gene ID:	4000
NCBI Accession:	NM_170707
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, ER-Nucleus Signaling, Protein targeting to Nucleus

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Preparation method: in vitro, wheat germ expression system Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue.
Restrictions:	For Research Use only

Handling

Buffer:	50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.

Publications

Product cited in:	Mintzer, Ramaswamy, Shah, Hannoush, Pozniak, Cohen, Zhao, Plise, Lewcock, Heise: "A whole cell assay to measure caspase-6 activity by detecting cleavage of lamin A/C." in: **PLoS ONE**, Vol. 7, Issue 1, pp. e30376, (2012) (PubMed).

Publications

Chen, Lin, Chow, Lee: "Proteomic identification of Hsp70 as a new Plk1 substrate in arsenic trioxide-induced mitotically arrested cells." in: **Proteomics**, Vol. 11, Issue 22, pp. 4331-45, (2011) (PubMed).

Images

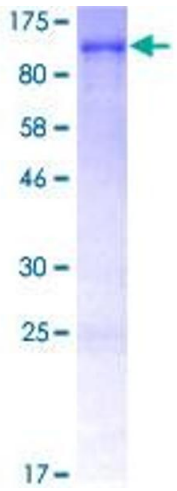

Image 1.

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