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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

HDAC1 (Human) Recombinant Protein (P01)

Catalog Number: H00003065-P01

Regulation Status: For research use only (RUO)

Product Description: Human HDAC1 full-length ORF (AAH00301, 1 a.a. - 482 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAQTQGTRRKVCYDDGVDVGNYYGQGHPMKPHRI
RMTHNLLLNYGLYRKMEIYRPHKANAEEMTKYHSDDY
IKFLRSIRPDNMSEYSKQMRFNVEDCPVFDGLFEF
CQLSTGGSVASAVKLNKQQTDIAVNWAGGLHHAHAKS
EASGFCYVNDIVLAILELLKYHQRVLYIDIDIHGDGVEE
AFYTTDRVMTVSFHKYGEYFPGTGLDRDIGAGKGKYY
AVNYPLRDGIDDESIEAIFKPVMSKVMEMFQPSAVVL
QCGSDSLSGDRLGCFNLTIKGHAKCVEFVKSFNLPML
MLGGGGYTIRNVARCWYETAVALDTEIPNELPYNDY
FEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLR
MLPHAPGVQMAIPEDAIEESGDEDEDDPKRISICS
SDKRIACEEEFSDSEEEGEGGRKNSSNFKAKRVKTE
DEKEKDPEEKKEVTEEEKTKEEKPEAKGVKEEVKLA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 78.76

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3065

Gene Symbol: HDAC1

Gene Alias: DKFZp686H12203, GON-10, HD1, RPD3, RPD3L1

Gene Summary: Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq]

References:

1. Histone deacetylase-1 is enriched at the platelet-derived growth factor-D promoter in response to interleukin-1beta and forms a cytokine-inducible gene-silencing complex with NF-kappaB p65 and interferon regulatory factor-1. Liu MY, Khachigian LM. J Biol Chem. 2009 Dec 11;284(50):35101-12. Epub 2009 Oct 20.
2. Interaction between HMGA1 and Retinoblastoma Protein Is Required for Adipocyte Differentiation. Esposito F, Pierantoni GM, Battista S, Melillo RM, Scala S, Chieffi P, Fedele M, Fusco A. J Biol Chem. 2009 Sep 18;284(38):25993-6004. Epub 2009 Jul 26.