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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ATP2A1 (Human) Recombinant Protein (P01)

Catalog Number: H00000487-P01

Regulation Status: For research use only (RUO)

Product Description: Human ATP2A1 full-length ORF (NP_004311.1, 1 a.a. - 994 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MEAAHAKTTEECLAYFGVSETTGLTPDQVKRNLEKYG
LNELPAEEGKTLWELVIEQFEDLLVRILLAAACISFVLA
WFEEGEETITAFVEPFVILLILIANAIVGVWQERNAENAI
EALKEYEPEMGKVYRADRKSVQRIKARDIVPGDIVEVA
VGDKVPADIRILAIKSTTLRVDQSILTGESVSVIKHTEPV
PDPRAVNQDKKNMLFSGTNIAAGKALGIVATTGVGTEI
GKIRDQMAATEQDKTPLQKQLDEFGEQLSKVISLICVA
VWLINIGHFNDPVHGGSWFRGAIYYFKIAVALAVAAIPE
GLPAVITTCALGTRRMAKKNIAVRSLSVETLGCTSVI
CSDKTGTLTTNQMSVCKMFIIDKVDGDICLLNEFSITGS
TYAPEGEVLKNDKPVRPGQYDGLVELATICALCNDSSL
DFNEAKGVYKVEATETALTTLVEKMNVFNTDVRSL
SKVERANACNSVIRQLMKKEFTLEFSRDRKSM SVYCS
PAKSSRAAVGNKMFVKGAPGVIDRCNYVRVGTTRVP
LTGPVKEKIMAVIKWGTGRDTRCLALATRDTPPKRE
EMVLDD SARFLEYETDLTFVGVVGM LDP PRKEVTGSI
QLCRDAGIRVIMITGDNKGTAIAICRRIGIFGENEEVADR
AYTGREFDDLPLAEQREACRRACCFARVEPSHKSKIV
EYLQSYDEITAMTGDGVNDAPALKKAEIGIAMGSGTAV
AKTASEMVLADDNFSTIVA AVEEGRAIYNNMKQFIRYLI
SSNVGEVVCIFLTAALGLPEALIPVQLLWVNLVTDGLPA
TALGFNPPDLDIMDRPPRSPKEPLISGWLFFRYMAIGG
YVGAATVGAAA WFLYAEDGPHVNYSQLTHFMQCTE
DNTHFEGIDCEVFEAPEPMTMALSVLVTIEMCNALNSL
SENQSLLRMPWVNIWLLGSICLSMSLHFLILYVDPLP
MIFKLRALDLTQWLMVLKISLPVIGLDEILKFVARNYLEG

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 135.7

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 GenID: 487

Gene Symbol: ATP2A1

Gene Alias: ATP2A, SERCA1

Gene Summary: This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen, and is involved in muscular excitation and contraction. Mutations in this gene cause some autosomal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxation during exercise. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]