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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ATP1A3 (Human) Recombinant Protein (P01)

Catalog Number: H00000478-P01

Regulation Status: For research use only (RUO)

Product Description: Human ATP1A3 full-length ORF (NP_689509.1, 1 a.a. - 1013 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGDKKDDKDSPPKKNKGKERRDLDDLKKEVAMTEHKM
SVEEVCRKYNTDCVQGLTHSKAQEILARDGPNALTPP
PTTPEWVKFCRQLFGGFSILLWIGAILCFLAYGIQAGTE
DDPSGDNLVYLGIVLAAVVIITGCFSSYYQEAKSSKIMESF
KNMVPQQALVIREGEKMQVNAEEVVVVDLVEIKGGDR
VPADLRIISAHGCKVDNSSLTGESEPQTRSPDCTHDNP
LETRNITFFSTNCVEGTARGVVVATGDRTVMGRIATLA
SGLEVGTPIAIEIEHFILITGVAVFLGVSFFILSLILGYT
WLEAVIFLIGIIVANVPEGLLATVTVCLTLTAKRMARKNC
LVKNLEAVETLGGSTSTICSDKTGTLTQNRMTVAHMWF
DNQIHEADTTEDQSGTSFDKSSHTWVALSHIAGLCNR
AVFKGGQDNIPVLKRDVAGDASESALLKCIELSSGSVK
LMRERNKKVAEIPFNSTNKYQLSIHETEDPNDRYLLV
MKGAPERILDRCSTILLQGKEQPLDEEMKEAFQNAYLE
LGGLGERVLGFCHYYLPEEQFPKGFADFDCDDVNFTTD
NLCFVGLMSMIDPPRAAVPDAVKGCRSAGIKVIMVTG
DHPITAKAIAKGVGIIEGNETVEDIAARLNIPVSQVNP
DAKACVIHGTDLKDFTSEQIDEILQNHEIVFARTSPQQ
KLIIVEGCQRQGAIVAVTGDGVNDSPALKKADIGVAMGI
AGSDVSKQAADMILLDDNFASIVTGVVEEGRILFDNLKK
SIAYTLTSNIPEITPFLFIMANIPLPLGTITILCIDLGTDMV
PAISLAYEAAESDIMKRQPRNPRTDKLVNERLISMAYG
QIGMIQALGGFFSYFVILAENGFPLGNLVGIRLNWDDR
TVNDLEDSYGQWQWYEQRKVVEFTCHTAFFVSIVVVQ
WADLIICKTRRNSVFQQGMKNKILIFGLFEETALAAFLS
YCPGMDVALRMYPLKPSWWFCAFPYSFLIFVYDEIRK
LILRRNPGGWVEKETY

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 138.1

Interspecies Antigen Sequence: Rat (99)

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: 478

Gene Symbol: ATP1A3

Gene Alias: DYT12, MGC13276, RDP

Gene Summary: The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na⁺/K⁺ -ATPases. Na⁺/K⁺ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na⁺/K⁺ -ATPase is encoded by multiple genes. This gene encodes an alpha 3 subunit. [provided by RefSeq]