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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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Datasheet

CTNNB1 (Human) Recombinant Protein (P01)

Catalog Number: H00001499-P01

Regulation Status: For research use only (RUO)

Product Description: Human CTNNB1 full-length ORF (XP_001133675.1, 1 a.a. - 781 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MATQADLMELDMAMEPDRKAAVSHWQQQSYLDSGIH
SGATTTAPSLSGKGNPEEEDVDTSQVLYEWEQGFSSQ
SFTQEQVADIDGQYAMTRAQRVRAAMFPETLDEGMQI
PSTQFDAAHPTNVQRLAEPQMLKHAVVNLINYQDDA
ELATRAIPELTKLLNDEDQVVVNKAAMVMVHQLSKKEAS
RHAIMRSPQMVSIAIVRTMQNTNDVETARCTAGTLHNL
SHHREGLLAIFKSGGIPALVKMLGSPVDSVLFYAITTLH
NLLLHQEGAKMAVRLAGGLQKMVALLNKTNVKFLAITT
DCLQILAYGNQESKLILASGGPQALVNIMRTYTYEKLL
WTTSRVLKVLVSVCSNKP AIVEAGGMQALGLHLTDPS
QRLVQNCLWTLRNLSDAATKQEGMEGLLGLTLVQLLGS
DDINVTCAAGILSNLTCNNYKNMVMVCQVGGIEALVR
TVLRAGDREDITEPAICALRHLSRHRQEAEMAQNAVRL
HYGLPVVVVKKLLHPPSHWPLIKATVGLIRNLALCPANHA
PLREQGAIPRLVQLL VRAHQDTQRRRTSMGGTQQQFV
EGVRMEEIVEGCTGALHILARDVHN RIVIRGLNTIPLFV
QLLYSPIENIQRVAAGVLC ELAQDKEAAE AIEAEGATAP
LTELLHSRNEGVATYAAAVLFRMSEDKPQDYKKRLSV
ELTSSLFRTEPMAWNETADLGLDIGAQGEPLGYRQDD
PSYRSFHSGGYGQDALGMDPMMEHEMGGHHPGADY
PVDGLPDLGHAQDLMDGLPPGDSNQLAWFDTDL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 111.9

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: 1499

Gene Symbol: CTNNB1

Gene Alias: CTNNB, DKFZp686D02253, FLJ25606, FLJ37923

Gene Summary: Beta-catenin is an adherens junction protein. Adherens junctions (AJs; also called the zonula adherens) are critical for the establishment and maintenance of epithelial layers, such as those lining organ surfaces. AJs mediate adhesion between cells, communicate a signal that neighboring cells are present, and anchor the actin cytoskeleton. In serving these roles, AJs regulate normal cell growth and behavior. At several stages of embryogenesis, wound healing, and tumor cell metastasis, cells form and leave epithelia. This process, which involves the disruption and reestablishment of epithelial cell-cell contacts, may be regulated by the disassembly and assembly of AJs. AJs may also function in the transmission of the 'contact inhibition' signal, which instructs cells to stop dividing once an epithelial sheet is complete.[supplied by OMIM]

References:

1. Interactions between β -Catenin and the HSlo Potassium Channel Regulates HSlo Surface Expression. Bian S, Bai JP, Chapin H, Le Moellic C, Dong H, Caplan M, Sigworth FJ, Navaratnam DS. PLoS One. 2011;6(12):e28264. Epub 2011 Dec 14.