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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NCAPG2 (Human) Recombinant Protein (P01)

Catalog Number: H00054892-P01

Regulation Status: For research use only (RUO)

Product Description: Human NCAPG2 full-length ORF (AAH20560.1, 1 a.a. - 935 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MLLECFININYIKKEEGRRFLSCLFNWNINFIKMIHGTIK
NQLQGLQKSLMVYIAEYFRAWKKASGKILEIENDCIQ
DFMFHGIHLPRRSPVHVKVRELVSYFHHQKKVRQGV
EMLYRLYKPIWGLKARNSEVRSNAALLFVEAFPIRD
PNLHAIEMDSEIQKQFEELYSLLEDYPYPMVRSTGILGV
CKITSKYWEMMPPTILIDLKVTGELAFDTSSADVRC
VFKCLPMILDNKLSHPLLEQLPALRYSLHDNSEKVRV
AFVDMLLKIKAVRAAKFWKICPMEHILVRLETDSRPVS
RRLVSLIFNSFLPVNQPEEVCERCVTLVQMNHAAAR
RFYQYAHEHTACTNIAKLIHVIRHCLNACIQRAVREPPE
DEEEEDGREKENVTVDKTLVNDVACMAGLLEIIVIL
WKSIDRSMENNKEAKLYTINKFASVLPYLVKFKDDRC
KIPLFMLMSFMPASAVPPFSCGVISTLRSREEGAVDKS
YCTLLDCLCSWGQVGHILELVDNWLPTHAQAKSNTA
SKGRVQIHDTRPVKPELALVYIEYLLTHPKNRECLLSAP
RKKNLHLLKALETSKADLESLLQTPGGKPRGFSEAAAP
RAFGLHCRLSIHLQHKFCSEGKVYLSMLEDTGFWLES
KILSFIQDQEEDYLKLRVIYQQIIQTYLTVCKDVMVGL
GDHQFQMQLLQSLGIMQTVKGGFFVYVSLLDILKEITG
SSLIQKTDSDVEEVAMLLDTVQKVFQKMLECIARSFRKQ
PEEGLRLLYSVQRPLHEFITAVQSRHTDTPVHRGVLST
LIAGPVVEISHQLRKVSDVEELTPPEHLSLPPFSRCLI
GIIKSSNVRSFLDELKACVASNDIEGIVCLTAAVHILVI
NAGKHKSSKVREVAATVHRKLTFFMEITLEEDSIERFL
YESSRRTLGEELNS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 133.5

Interspecies Antigen Sequence: Mouse (81); Rat (81)

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: 54892

Gene Symbol: NCAPG2

Gene Alias: CAP-G2, FLJ20311, LUZP5, MTB, hCAP-G2

Gene Summary: Condensin complexes I and II play essential roles in mitotic chromosome assembly and segregation. Both condensins contain 2 invariant structural maintenance of chromosome (SMC) subunits, SMC2 (MIM 605576) and SMC4 (MIM 605575), but they contain different sets of non-SMC subunits. NCAPG2 is 1 of 3 non-SMC subunits that define condensin II (Ono et al., 2003 [PubMed 14532007]).[supplied by OMIM]