

Title (en)  
NOVEL BAG PROTEINS AND NUCLEIC ACID MOLECULES ENCODING THEM

Title (de)  
NEUE 'BAG'-PROTEINE UND DIE DAFÜR KODIERENDEN NUKLEINSÄUREMOLEKÜLE

Title (fr)  
PROTEINES BAG ET MOLECULES D'ACIDE NUCLEIQUE LES CODANT

Publication  
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Application  
**EP 99968670 A 19990909**

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Abstract (en)  
[origin: WO0014106A1] The present invention provides a family of BAG-1 related proteins from humans (BAG-1L, BAG-1, BAG-2, BAG-3, BAG-4 and BAG-5), the invertebrate *C. elegans* (BAG-1, BAG-2) and the fission yeast *S. pombe* (BAG-1A, BAG-1B) and the nucleic acid molecules that encode them.

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IPC 8 full level  
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**A61P 5/00** (2017.12); **A61P 35/00** (2017.12); **A61P 43/00** (2017.12); **C07K 14/47** (2013.01)

Citation (search report)  
• [X] WO 9513292 A1 19950518 - JOLLA CANCER RES FOUND [US]  
• [X] TAKAYAMA SHINICHI ET AL: "Expression and location of Hs70/Hsc-binding anti-apoptotic protein BAG-1 and its variants in normal tissues and tumor cell lines.", CANCER RESEARCH, vol. 58, no. 14, 15 July 1998 (1998-07-15), pages 3116 - 3131, XP000941973, ISSN: 0008-5472  
• [X] ZEINER MATTHIAS ET AL: "A protein that interacts with members of the nuclear hormone receptor family: Identification and cDNA cloning.", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 92, no. 25, 1995, 1995, pages 11465 - 11469, XP002184712, ISSN: 0027-8424  
• [X] TAKAYAMA SHINICHI ET AL: "Cloning of cDNAs encoding the human BAG1 protein and localization of the human BAG1 gene to chromosome 9p12.", GENOMICS, vol. 35, no. 3, 1996, pages 494 - 498, XP002184713, ISSN: 0888-7543  
• [PX] TAKAYAMA SHINICHI ET AL: "An evolutionarily conserved family of Hsp70/Hsc70 molecular chaperone regulators.", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 2, 8 January 1999 (1999-01-08), pages 781 - 786, XP002182051, ISSN: 0021-9258  
• See references of WO 0014106A1

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