

Title (en)  
PULMONARY SURFACTANT PROTEINS.

Title (de)  
LUNGEN-OBERFLACHENAKTIVE PROTEINE.

Title (fr)  
PROTEINES TENSIO-ACTIVES PULMONAIRES.

Publication  
**EP 0240550 A4 19890919 (EN)**

Application  
**EP 86906180 A 19860926**

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Abstract (en)  
[origin: WO8702037A1] Novel proteins useful for enhancing pulmonary surfactant activity, methods for obtaining said proteins and compositions containing one or more of the proteins. The proteins of this invention include two separate proteins characterized by molecular weights of about 35 kd and two separate proteins characterized by molecular weights of about 5.5-9 kd.

IPC 1-7  
**C07H 21/00**; **C12N 15/00**

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**C07K 14/785** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)  
• [X] EP 0145005 B1 19890412  
• [XP] WO 8603408 A1 19860619 - CALIFORNIA BIOTECHNOLOGY INC [US]  
• [XP] WO 8604920 A1 19860828 - BIOTECH RES PARTNERS LTD [US]  
• [E] WO 8706588 A1 19871105 - CALIFORNIA BIOTECHNOLOGY INC [US]  
• [XP] NATURE, Vol. 317, 26th September 1985, London, GB; R. Tyler White et al.: "Isolation and characterization of the human pulmonary surfactant apoprotein gene", pages 361-363  
• [XP] CHEMICAL ABSTRACTS, vol. 105, no. 11, 15th September 1986, abs. 92339e, Columbus, Ohio, US: Joann Floros et al.: "Isolation and characterization of cDNA clones for the 35-kDa pulmonary surfactant-associated protein"; & J. Biol. Chem. 1986, vol. 261, no. 19, pages 9029-9033  
• [XPD] PEDIATRIC RESEARCH, vol. 20, no.5, May 1986, Baltimore, US; Jeffrey A. Whitsett et al.: "Hydrophobic Surfactant-Associated Protein in whole Lung Surfactant and its Importance for Biophysical Activity in Lung Surfactant Extracts used for Replacement Therapy", Pages 460-467  
• [XPD] BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 135, nr. 2, 13th March 1986, New York, Akio Takahashi et al.: "Proteolipid in Bovine Lung Surfactant; Its Role in Surfactant Function", Pages 527-532  
• See references of WO 8702037A1

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