

Lead development study on exosomes with anticancer potential armed with FAF1, a multifunctional tumor suppressor and a genuine exosome cargo

ChungNam National University



ONCOLOGY	Lead
Product Type	Exosomes with anticancer potential armed with FAF1, a multifunctional tumor suppressor and a genuine exosome cargo
Indication	1st indication: Solid tumor (Lung, Liver, Pancreas, Breast, Colon)
Target	Fas-associated factor 1 (FAF1)
MoA(Mechanism of Action)	<ul style="list-style-type: none"> • FAF1, a tumor suppressor, shows markedly low expression in various cancer tissues • FAF1 is a genuine cargo naturally loaded into exosomes without additional manipulation • FAF1 performs multiple tumor suppressive roles including cell death, cell cycle arrest, and anti-metastasis
Competitiveness	<ul style="list-style-type: none"> • Intrinsic genuine cargo without additional manipulation for forced loading • Inducible expression system minimizing death-burden on parental exosome producing cells • CMC-friendly floating Expi293F cells cultured in completely synthetic medium
Development Stage	Lead
Route of Administration	Intravenous, Intratracheal