

Rag A siRNA (m): sc-152683

BACKGROUND

The Ras-related superfamily of guanine nucleotide binding proteins includes the R-Ras, Rap, Ral/Rec and Rho/Rab subfamilies all of which are thought to play an important role in either endocytosis or in biosynthetic protein transport. The process of transporting newly synthesized proteins from the endoplasmic reticulum (ER) to various stacks of the Golgi complex and to secretory vesicles involves the movement of carrier vesicles and requires Rab protein function. Rag A (Ras-related GTP binding A), also known as Rraga or FIP-1, is a 313 amino acid cytoplasmic and nuclear protein belonging to the GTR/RAG GTP-binding protein family. Involved in the RCC1/Ran-GTPase pathway, Rag A may play a direct role in a TNF α signaling pathway leading to induction of cell death. Rag A has guanine nucleotide-binding activity but undetectable intrinsic GTPase activity.

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