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32-1025: AIF1 Recombinant Protein

Alternative Name : AIF-1,Allograft inflammatory factor 1,Em:AF129756.17,G1,IBA1,Ionized calcium-binding adapter molecule 1,IRT-1,Protein G1,AIF1.

Description

Source : E. Coli. The AIF1 Human Recombinant contains a total of 155 amino acids having a molecular Mass of 17.7kDa. The Human AIF1 is fused to a 9 amino acid long N-terminal His tag. Human AIF1 protein shares 98% homology/identity with that of rat. AIF1 is expressed in macrophages and neutrophils. The expression of AIF1 transcripts is upregulated by IFN-g in rat macrophages. AIF1 is expressed selectively in human macrophage-like cell lines, and in a subset of CD68(+) macrophages in the interstitial and perivascular spaces of human heart allografts. In quiescent cultured human vascular smooth muscle cells synthesis of AIF1 is induced by IFN-g, IL1b, and conditioned medium of T-cells. Overexpression of AIF1 in human VSMCs results in enhanced growth of these cells. AIF1 is expressed during apoptosis rat mammary gland and ventral prostate tissues. Allograft Inflammatory Factor 1 is expressed by several tumor-associated activated macrophages and microglial cells in rat and human gliomas. There is an evident relationship of AIF1-expressing activated macrophages and microglial cells with tumor malignancy in humans.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS PAGE.
Content :	Filtered and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl pH-7.5.
Storage condition :	For long term, store lyophilized AIF1 at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.The lyophilized protein remains stable for 24 months when stored at -20°C.
Amino Acid :	MKHHHHHHASQTRDLQGGKAFGLLKAQQEERLDEINKQFLDDPKYSSDEDLPSKLEGFKEKYMEFDLNGNGDIDIMSLKRMLEKLGVPKTHLELKKLIGEVSSGSGETFSYPDFLRMMLGKRSAILKMILMYEEKAREKEKPTGPPAKKAISELP.

Application Note

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely.