

**RPES8116**

---

## Product Information

<b>Product SKU:</b>	RPES8116	<b>Expression Host:</b>	E.coli	<b>Size:</b>	20µg
<b>Tag:</b>	N-Gst	<b>Reactivity:</b>	Human	<b>Accession:</b>	P55008-1

---

## Additional Information

<b>Calculated MW:</b>	42.0 kDa	<b>Observed MW:</b>	45 kDa
<b>Sequence:</b>	Met1-Pro147		

---

## Protein Information

**Background:** AIF1, also known as IBA1, is an actin-binding protein. 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. It is expressed in macrophages and neutrophils. AIF1 enhances membrane ruffling and RAC activation. AIF1 enhances the actin-bundling activity of LCP1. It also enhances lymphocyte migration. AIF1 may play a role in macrophage activation and function. It binds calcium and plays a role in RAC signaling and in phagocytosis. It promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes.

**Synonyms:** -

**Endotoxin:** < 10 EU/mg of the protein as determined by the LAL method

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Bio-Activity:** Not validated for activity

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.