

Recombinant Mouse AGR3 Protein (His Tag)

Catalog Number: PKSM041359

Note: Centrifuge before opening to ensure complete recovery of vial contents.

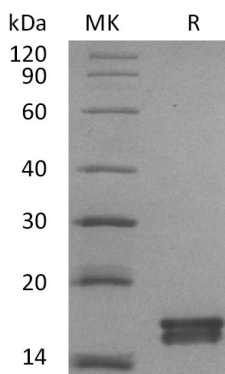
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse AGR3 protein Ile21-Leu165, with an C-terminal His
Calculated MW	18.1 kDa
Observed MW	15-19 kDa
Accession	Q8R3W7
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, 50% Glycerol, pH7.4.

Data



Background

Anterior gradient protein 3 (AGR3) is an 18 kDa member of the AGR family of proteins. It is expressed in the ciliated cells of the airway epithelium, not detected in the mucous cells. Mature human AGR3 shares 92% amino acid sequence identity with mouse AGR3. It is required for calcium-mediated regulation of ciliary beat frequency and mucociliary clearance in the airway. AGR3 might be involved in the regulation of intracellular calcium in tracheal epithelial cells.

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