Meteorin Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76493
Synonyms:	Meteorin; Hypoxia/reoxygenation regulatory factor; Hyrac
Species:	Mouse
Source:	HEK293
Accession:	Q8C1Q4 (G22-D291)
Gene ID:	70083
Molecular Weight:	Approximately 57 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Meteorin, a multifaceted protein, plays a pivotal role in neurogenesis by contributing to both glial cell differentiation and the formation of axonal networks. Its influence extends to promoting astrocyte differentiation and orchestrating the transformation of cerebellar astrocytes into radial glia. Additionally, Meteorin exerts its effects on sensory ganglia, inducing axonal extension in small and intermediate neurons by activating neighboring satellite glia. As a monomeric entity, Meteorin acts as a key orchestrator in the intricate processes of glial cell differentiation and axonal network formation during neurogenesis.

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