

IGSF11 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P700738
Synonyms:	IgSF11; Bt-IGSF; Bt IGSF; BtIGSF; VSIG3; CXADRL1; CT119
Species:	Mouse
Source:	HEK293
Accession:	POC673 (L23-V240)
Gene ID:	207683
Molecular Weight:	38-42 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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	IGSF11 (Immunoglobulin Superfamily Member 11), also known as SynCAM3 (Synaptic Cell Adhesion Molecule 3), is a cell adhesion molecule that plays a key role in mediating cell-cell interactions through homophilic binding, where it interacts with identical molecules on adjacent cells. This homophilic interaction suggests its involvement in processes related to cell adhesion, which are critical for various physiological functions such as tissue development and maintenance. Additionally, there is evidence to suggest that IGSF11 stimulates cell growth, as indicated by similarity to other proteins with known growth-promoting functions. The dual role of IGSF11 in cell adhesion and growth regulation underscores its significance in cellular processes and highlights its potential impact on tissue development and homeostasis. Ongoing research may further uncover additional details about the precise mechanisms and functions of IGSF11.
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Caution: Product has not been fully validated for medical applications. For research use only.

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