

## Semaphorin-4B/SEMA4B Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78034
Synonyms:	Semaphorin-4B; Semaphorin-C; SEMA4B; KIAA1745; SEMAC; MGC131831; SemC
Species:	Mouse
Source:	HEK293
Accession:	Q62179 (L31-E703)
Gene ID:	20352
Molecular Weight:	78-83 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	Semaphorin-4B (SEMA4B) protein plays a crucial role in inhibiting axonal extension by emitting local signals that define territories as inaccessible for growing axons. Its mechanism involves interaction with the GIPC PDZ domain, contributing to the regulation of axonal guidance and territorial specificity during neural development.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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