

Product datasheet for **TP727060**

SEMA4B Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Semaphorin-4B/SEMA4B (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Leu44 - Glu717
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Recombinant Human Semaphorin 4B is produced by our Mammalian expression system and the target gene encoding Leu44-Glu717 is expressed with a 6His tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	10509
UniProt ID:	Q9NPR2
Summary:	The class 4 semaphorins are integral membrane proteins that are widely expressed throughout the nervous system. SEMA4B is a single-pass type I membrane protein and contains one Ig-like C2-type (immunoglobulin-like) domain, one PSI domain and one Sema domain. Human SEMA4B is expressed in neurons. SEMA4B inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons. SEMA4B negatively regulates basophil-mediated Th2 and humoral memory responses.



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