

Product datasheet for **TP727978**

Semaphorin 3A (SEMA3A) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Semaphorin-3A/SEMA3A (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asn21-Val771(Arg552Ala, Arg555Ala)
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl 1mM EDTA 20% Glycerol, pH 8.0.
Note:	Recombinant Human Semaphorin 3A is produced by our Mammalian expression system and the target gene encoding Asn21-Val771 (Arg552Ala, Arg555Ala) 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:	10371
UniProt ID:	Q14563
Summary:	emaphorin-3A is a secreted protein which belongs to the semaphorin family. Semaphorins are a family of secreted and cell-bound signaling molecules defined by the presence of a common 500 aa Sema domain. This protein can function as either a chemorepulsive agent, inhibiting axonal outgrowth, or as a chemoattractive agent, stimulating the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern development. Increased expression of this protein is associated with schizophrenia and is seen in a variety of human tumor cell lines.



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