

## Product datasheet for **TP720492L**

### Semaphorin 3c (SEMA3C) (NM\_006379) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C (SEMA3C)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Gly21-Ser738
Tag:	C-His
Predicted MW:	82.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by reducing SDS-PAGE
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006370</a>
Locus ID:	10512
UniProt ID:	<a href="#">Q99985</a>
Cytogenetics:	7q21.11
Synonyms:	SEMAE; SemE



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**Summary:**

This gene encodes a secreted glycoprotein that belongs to the semaphorin class 3 family of neuronal guidance cues. The encoded protein contains an N-terminal sema domain, integrin and immunoglobulin-like domains, and a C-terminal basic domain. Homodimerization and proteolytic cleavage of the C-terminal propeptide are necessary for the function of the encoded protein. It binds a neuropilin co-receptor before forming a heterotrimeric complex with an associated plexin. An increase in the expression of this gene correlates with an increase in cancer cell invasion and adhesion. Naturally occurring mutations in this gene are associated with Hirschsprung disease. [provided by RefSeq, May 2017]

**Protein Families:**

Secreted Protein

**Protein Pathways:**

Axon guidance

**Product images:**