

## Recombinant Human SEMA3C (C-6His)

Catalog No: C636

<b>Description</b>	Recombinant Human Semaphorin 3C is produced by our Mammalian expression system and the target gene encoding Gly21-Ser738 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	Human Cells
<b>Alternative name</b>	Semaphorin-3C; Semaphorin-E; Sema E; SEMA3C; SEMAE
<b>Accession No.</b>	Q99985
<b>Predicted Molecular Weight</b>	82.44kDa
<b>AP Molecular Weight</b>	75-120&27kDa, reducing conditions.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1M Arginine, 0.1M Glu, 10% Glycerol, 0.01% Tween20, 5% Trehalose, pH7.4.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Background</b>	Semaphorin 3C is one of six Class 3 secreted semaphorins, which are potent chemorepellents, that play a role in axon and/or vascular guidance during development can be up-regulated in the process of tumor progression. Semaphorin 3C consists of a 20 amino acids signal sequence, a N-terminal Sema domain, a cysteine knot, a furine-type cleavage site, an Ig-like domain, and a C-terminal basic domain. Semaphorin 3C expressed highly in the heart, colon, skeletal muscle, small intestine, testis, ovary and prostate, expressed lowly in the other organs, including the brain.

### SDS-Page

