

# Recombinant Human Semaphorin 3A/SEMA3A Protein (His &Flag Tag)

## RPES5094

### Description

---

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Protein Information

---

**SKU:** RPES5094

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** Hsema-I, Hsema-III, SEMA1, SEMA3A, SEMAD, SemD, Sema III, Semad, Semaphorin III, coll-1

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** N-His-Flag

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Not validated for activity

**Calculated MW:** 61.3 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 10% Trehalose, 100mM NaCl, 0.05% Tween 80, pH 8.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 70-75 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** Q14563

**Source:** HEK293 Cells-derived Human Semaphorin 3A/SEMA3A protein Lys26-Phe546, with an N-terminal His & Flag

**Sequence:** Lys26-Phe546

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.