

## Neuregulin-1/NRG1 Protein, Canine (HEK293)

Cat. No.:	HY-P74709
Synonyms:	Pro-NRG1; Neuregulin-1; ARIA; HRG; NRG1
Species:	Canine
Source:	HEK293
Accession:	XP_858147 (S19-K240)
Gene ID:	482861
Molecular Weight:	Approximately 47 kDa

### PROPERTIES

Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized canine NRG1 at 10 µg/mL (100 µl/well) can bind human ErbB4-Fc, The EC <sub>50</sub> of human ErbB4-Fc is 0.19-0.43 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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