

Product Data Sheet

ANPEP siRNA (Human)

Catalog # Source Reactivity Applications

CRH0202 Synthetic H RNAi

Description siRNA to inhibit ANPEP expression using RNA interference

Specificity ANPEP siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed to

knock down gene expression.

Form Lyophilized powder

Gene Symbol ANPEP

Alternative Names APN; CD13; PEPN; Aminopeptidase N; AP-N; hAPN; Alanyl aminopeptidase;

Aminopeptidase M; AP-M; Microsomal aminopeptidase; Myeloid plasma membrane

glycoprotein CD13; gp150; CD antigen CD13

Entrez Gene 290 (Human)

SwissProt P15144 (Human)

Purity > 97%

Quality Control Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure

appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid

phase extraction. The annealed RNA duplex is further analyzed by mass

spectrometry to verify the exact composition of the duplex. Each lot is compared to

the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.

Components We offers pre-designed sets of 3 different target-specific siRNA oligo duplexes of

human ANPEP gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes

can be transfected individually or pooled together to achieve knockdown of the

target gene, which is most commonly assessed by qPCR or western blot.

Component 15 nmol 30 nmol

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

COHESION BIOSCIENCES LIMITED

WEB ORDER SUPPORT CUSTOM
www.cohesionbio.com order@cohesionbio.com techsupport@cohesionbio.com custom@cohesionbio.com



Product Data Sheet

| ANPEP siRNA (Human) - A | 5 nmol x 1 | 5 nmol x 2 |
|-------------------------|--------------|--------------|
| ANPEP siRNA (Human) - B | 5 nmol x 1 | 5 nmol x 2 |
| ANPEP siRNA (Human) - C | 5 nmol x 1 | 5 nmol x 2 |
| Negative Control | 2.5 nmol x 1 | 2.5 nmol x 2 |
| DEPC Water | 1 ml x 1 | 1 ml x 2 |

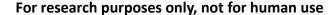
Directions for Use

We recommends transfection with 10 nM - 100 nM siRNA 48 to 72 hours prior to cell lysis. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. For example, resuspend one tube of 5 nmol siRNA oligo in 250 μl of DEPC water to get a final concentration of 20 μM.

| Plate | Final volume | Final concentration | siRNA (20 μM) | Lipofectamin |
|---------|--------------|---------------------|---------------|--------------|
| | of medium | of siRNA | | 2000 |
| 96-well | | 100 nM | 0.5 μΙ | 0.25 μΙ |
| | 100 μΙ | 50 nM | 0.25 μΙ | 0.25 μΙ |
| | | 10 nM | 0.05 μΙ | 0.25 μΙ |
| 24-well | | 100 nM | 2.5 μΙ | 1 μΙ |
| | 500 μΙ | 50 nM | 1.25 μΙ | 1 μΙ |
| | | 10 nM | 0.25 μl | 1 μΙ |
| 12-well | | 100 nM | 5 μΙ | 2 μΙ |
| | 1 ml | 50 nM | 2.5 μΙ | 2 μΙ |
| | | 10 nM | 0.5 μΙ | 2 μΙ |
| 6-well | | 100 nM | 10 μΙ | 5 μΙ |
| | 2 ml | 50 nM | 5 μΙ | 5 μΙ |
| | | 10 nM | 1 μΙ | 5 μΙ |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

COHESION BIOSCIENCES LIMITED





Product Data Sheet

Storage/Stability Shipped at 4 °C. Store at -20 °C for one year.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

COHESION BIOSCIENCES LIMITED