

# Recombinant Canine HGF Protein, Alexa Fluor 488 conjugated

**Cat. No.** HGF-1045CAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |   |
|-------------------------------------|---|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant canine HGF (NP_001002964.1) (Met1-Ser730) was expressed.   |
| <b>Species</b>                      | Dog   |
| <b>Source</b>                       | HEK293  |
| <b>ProteinLength</b>                | 699   |
| <b>Form</b>                         | Lyophilized   |
| <b>Molecular Mass</b>               | 79.9 kDa  |
| <b>N-terminal Sequence Analysis</b> | Gln 32  |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.  |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE  |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm |

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|                       |   |
|-----------------------|---|
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.  |
| <b>Storage</b>        | Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                      |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.   |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 488   |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | HGF hepatocyte growth factor (hepatopietin A; scatter factor) [ <i>Canis lupus familiaris</i> ] |
| <b>Official Symbol</b> | HGF   |
| <b>Synonyms</b>        | SF; hepatopoeitin-A; hepatopietin-A; scatter factor   |
| <b>Gene ID</b>         | 403441  |
| <b>mRNA Refseq</b>     | NM_001002964  |
| <b>Protein Refseq</b>  | NP_001002964  |
| <b>UniProt ID</b>      | Q867B7  |

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