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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GDNF (Human) Recombinant Protein

Catalog Number: P8681

Regulation Status: For research use only (RUO)

Product Description: Human GDNF recombinant protein expressed in *Escherichia coli*.

Sequence:

MSPDKQMAVLPRRERNRQAAAAANPENSRGKGRRGQ
RGKNRGCVLTAIHLNVTDLGLGYETKEELIFRYCSGSC
DAAETTYDKILKNLSRNRRLVSDKVGQACCRPIAFDDD
LSFLDDNLVYHILRKHSKRRCGI

Host: *Escherichia coli*

Theoretical MW (kDa): 30

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product
page for detailed protocols

Form: Lyophilized

Preparation Method: *Escherichia coli* expression
system

Purification: chromatographic

Purity: > 95% as determined by (a) RP-HPLC.(b) SDS-
PAGE.

Activity: ED₅₀ < 0.1 ng/mL, measured by the
proliferation of rat C6 cells, corresponding to a specific
activity of > 1.0 x 10⁷ units/mg.

Storage Buffer: Lyophilized from a solution containing
1X PBS, pH 7.4. Reconstitute the lyophilized powder in
ddH₂O to 100 ug/mL.

Storage Instruction: Lyophilized protein at room
temperature for 3 weeks, should be stored at -20°C.
Protein aliquots at 4°C for 2-7 days and should be stored
at -20°C to -80°C. For long term storage it is
recommended to add a carrier protein (0.1% HSA or
BSA).
Avoid repeated freeze/thaw cycles.

Entrez GeneID: 2688

Gene Symbol: GH1

Gene Alias: GH, GH-N, GHN, hGH-N

Gene Summary: The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature. [provided by RefSeq]