

Product datasheet

GFR alpha 3/GFRA3 peptide ab6100

1 References

Description

Product name	GFR alpha 3/GFRA3 peptide
Animal free	No
Nature	Synthetic

Specifications

Our **Abpromise guarantee** covers the use of **ab6100** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking

Form Liquid

Additional notes Members of the glial cell line-derived neurotrophic factor (GDNF) family including GDNF and neurturin (NTN) play essential roles in the control of vertebrate neuron survival and differentiation. A new member of the GDNF family was recently identified and designated persephin. Physiological responses to these neurotrophic factors require two receptor subunits, the novel glycosylphosphatidylinositol linked protein GFRA and Ret receptor tyrosine kinase GFRb. Following the discovery of GFRA-1 and -2, a novel receptor in GFRA family was identified recently in human and mouse and designated GFRA-3. GFRA-3 binds persephin, thus, persephin, GFRA-3, and Ret PTK form a complex to transduce persephin signal and to mediate persephin function. This product was previously labelled as GFR alpha 3

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
pH: 7.20
Preservative: 0.02% Sodium azide
Constituents: PBS, 0.1% BSA

General Info

Function Receptor for the glial cell line-derived neurotrophic factor, ARTN (artemin). Mediates the artemin-induced autophosphorylation and activation of the RET receptor tyrosine kinase.

Tissue specificity	Widely expressed in adult and fetus which exhibit a similar pattern. Essentially not expressed in the central nervous system, but highly expressed in several sensory and sympathetic ganglia of the peripheral nervous system. Moderate expression in many non-neuronal tissues, particularly those of the digestive and urogenital systems, but high expression in stomach and appendix. Several types of glandular tissues show low expression. Very low or no expression detected in the hematopoietic system.
Sequence similarities	Belongs to the GDNFR family.
Post-translational modifications	N-glycosylated.
Cellular localization	Cell membrane.

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