

Datasheet for ABIN7566173
IGFL4 Protein (AA 20-124) (His tag)



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Overview

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|-------------------------------|--|
| Quantity: | 3 x 10 µg |
| Target: | IGFL4 |
| Protein Characteristics: | AA 20-124 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IGFL4 protein is labelled with His tag. |

Product Details

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|-------------------|--|
| Purpose: | IGFL4 (human) (rec.) (His) |
| Cross-Reactivity: | Human |
| Characteristics: | Human IGFL4 (aa 20-124) is fused at the N-terminus to a His-tag. |
| Purity: | >95 % (SDS-PAGE) |
| Endotoxin Level: | <0.01EU/µg purified protein (LAL test). |

Target Details

| | |
|-------------------|--|
| Target: | IGFL4 |
| Alternative Name: | IGFL4 (IGFL4 Products) |
| Background: | Insulin Growth Factor-like Family Member 4 The Insulin-growth factor-like gene family is a new family of proteins consisting of four proteins |

Target Details

in humans (IGFL1 to 4) and one in mice (mIGFL). mIGFL is expressed in normal skin in mice and further upregulated during inflammation responses in the skin or after skin wounding. In humans only IGFL1 expression is increased in psoriatic skin samples. mIGFL and human IGFL1, 3 and 4 interact with specificity and high affinity to a novel receptor named IGF-like family receptor 1 (formerly TMEM-149). Analysis of the amino acid sequence of IGFLR1 indicated that this receptor is likely a novel member of the TNF-R family. IGFLR1 is expressed most abundantly on mouse T cells, suggesting that mIGFL and IGFL1 produced in the skin may potentially exert regulatory functions on T cell responses. In addition to the ovary, spinal cord and fetal skin, IGFL1 is also expressed in head and neck tumors, uterine tumors, squamous cell carcinomas and lung adenocarcinoma. In many cancers, IGFL1 (as well as the other IGFLs) plays multiple roles in regulating the proliferation, differentiation and apoptosis of cancer cells. Biological functions of IGFL4 are not characterized yet.

Molecular Weight: ~17-19kDa (SDS-PAGE)

UniProt: [Q6B9Z1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 0.1 mg/mL after reconstitution.

Concentration: 0.1 mg/mL

Buffer: Contains PBS.

Handling Advice: After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution. PBS containing at least 0.1 % BSA should be used for further dilutions.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.