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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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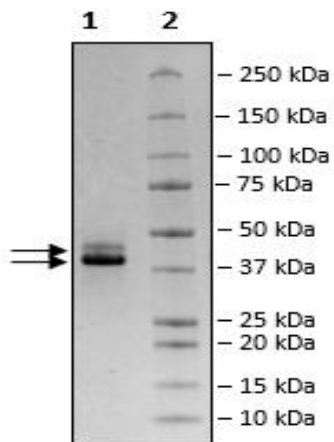
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Information

Description:	Recombinant human IL12B (Interleukin-12 subunit beta), encompassing amino acids 23-328(end). This construct contains a C-terminal Avi-tag™ followed by an His-tag (6xHis). This protein was affinity purified.
Background:	IL12B (Interleukin-12 subunit beta) encodes the p40 subunit of the heterodimeric cytokine IL-12, which functions alongside the p35 subunit (encoded by IL12A). The IL12Rβ1 receptor subunit interacts with IL12B and plays a crucial role in the IL-12 and IL-23 signaling pathways, promoting Th1 cell differentiation and IFN-γ (Interferon-γ) production. Anti-p40 neutralizing antibodies, which target the p40 subunit common to both IL-12 and IL-23, are primarily used as therapeutic agents for autoimmune and inflammatory diseases. These antibodies have demonstrated significant efficacy in conditions such as psoriasis, psoriatic arthritis, and Crohn's disease by reducing inflammatory responses and modulating immune activity. The continued exploration of these antibodies holds promise for expanding their use to other immune-related conditions and improving patient outcomes.
Species:	Human
Construct:	IL12B (23-328(end)-Avi-His)
Concentration:	1.69 mg/ml
Expression System:	HEK293
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
MW:	38 kDa + glycans
Glycosylation:	This protein runs at a higher SDS-PAGE due to glycosylation.
Genbank Accession:	NM_002187.3
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	This protein was tested following IL12B:IL12RB1 [Biotinylated] Inhibitor Screening Chemiluminescence Assay Kit (#82581) in the presence of increasing concentrations of Anti-p40 Neutralizing Antibody (#102108).
Applications:	Useful for binding studies.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



IL12B:IL12RB1: [Biotinylated] Binding

