



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



## Recombinant Prokaryotic Lectin-Fuc1 (*A. fumigatus*)

Item No. 36388

### Overview and Properties

<b>Synonym:</b>	RPL-Fuc1
<b>Source:</b>	Recombinant His-tagged <i>A. fumigatus</i> RPL-Fuc1 expressed in <i>E. coli</i>
<b>Molecular Weight:</b>	35.84892 kDa
<b>Storage:</b>	-80°C (as supplied)
<b>Stability:</b>	≥1 year
<b>Purity:</b>	≥95% estimated by SDS-PAGE
<b>Supplied in:</b>	PBS, pH 7.2

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Description

Recombinant prokaryotic lectin-Fuc1 (RPL-Fuc1) is an *A. fumigatus* lectin expressed in and purified from *E. coli*.<sup>1,2</sup> It selectively binds to glycoproteins containing  $\alpha$ -linked fucose groups. RPL-Fuc1 has been used to detect glycan structures in microarrays and biolayer interferometry experiments. RPL-Fuc1 activity requires metal ions, therefore, all buffers must be supplemented with 1 mM calcium chloride, magnesium chloride, and manganese chloride. It is recommended to use metal ion-supplemented Tris-buffered saline (TBS), pH 7.6, to dilute RPL-Fuc1 to the desired working concentration ( $\leq 20$   $\mu\text{g/ml}$ ). Following dilution, incubate RPL-Fuc1 for a minimum of 30 minutes prior to use to allow metal complexation.

### References

1. Bertok, T., Bertokova, A., Jane, E., *et al.* Identification of whole-serum glycobiomarkers for colorectal carcinoma using reverse-phase lectin microarray. *Front. Oncol.* **11**, 735338 (2021).
2. Glinšek, K., Kramer, L., Krajnc, A., *et al.* Coupling CRISPR interference with FACS enrichment: New approach in glycoengineering of CHO cell lines for therapeutic glycoprotein production. *Biotechnol. J.* e2100499 (2022).

WARNING  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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