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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

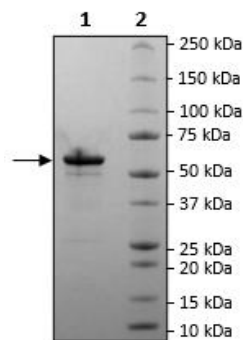
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Product Information

Description:	Recombinant human RBM39 (RNA-binding motif protein 39), encompassing amino acids 245-530(end). This construct contains an N-terminal GST-tag followed by a Precision cleavage site. This protein was affinity purified.
Background:	RBM39 (RNA-binding motif protein 39) is a target for DCAF15. RBM39 is an RNA-binding protein that may be involved in RNA splicing and regulates protein expression. Recent studies have revealed that RBM39 is the unexpected target of aryl sulphonamides, which act as molecular glues (MG) between RBM39 and the DCAF15-associated E3 ubiquitin ligase complex leading to selective degradation of the target. E7820 is an example of aryl sulfonamides that recruit RBM39 to Rbx-CUL4-DDA1-DDB1-DCAF15 E3 ligase complex, leading to its ubiquitination and degradation by the proteasome. Development of novel MG and PROTACS involved in the recruitment of RBM39 provides a framework to utilize DCAF15 to degrade RBM39 for therapeutic purposes.
Species	Human
Construct:	RBM39 (GST-245-530e)
Concentration:	0.21 mg/ml
Expression System:	<i>E. Coli</i>
Purity:	>90%
Format:	Aqueous buffer solution.
Formulated In:	40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 20% glycerol, and 3 mM DTT
MW:	58 kDa
Genbank Accession:	NM_184234.3
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:	RBM39, GST-Tag Recombinant (#102059) and Rbx1/CUL4B/DDB1/DCAF15/DDA1 Complex (#101497) (153 nM) were incubated in the presence of E7820 (2 µM) for 60 minutes at 37°C in a total volume of 10 µl. Then 10 µl of GSH-Acceptor beads (1:250) were added followed by addition of Nickel Donor beads (1:125). A-counts are proportional to the binding of RBM39 and DCAF15.
Applications:	Useful to study the binding of RBM39 to DCAF15, and for the screening of binding inhibitors.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



E7820-Driven RBM39 Binding to DCAF15

