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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

SIRP- α (CD172a), Biotin-Labeled, His-tag

Human, recombinant, C-terminal Avi-His-tag

Catalog #: 71138

Lot #: 150604

Conc.: 2.77 mg/ml

Formulated in: 8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol

Stability: At least 6 months at -80°C . Avoid freeze-thaw cycles. *Protein may be diluted to $\geq 100 \mu\text{g/ml}$ in PBS + glycerol and stored at -80°C .*

References:

1. Hatherley, D., *et al.*, *Mol. Cell*, 2008, **31**:266-77
2. Baba, N., *et al.*, *J. Exp. Med.*, 2013, **210**(6):1251-63

Description: Signal regulatory protein-alpha (SIRP- α), also known as Tyrosine-protein phosphatase non-receptor type substrate 1, CD172a, Bit, and MyD-1, GenBank Accession No. NM_080792, a.a. 27-370, with C-terminal Avi and His tags, MW 40.3 kDa*, expressed in a HEK293 expression system and enzymatically biotinylated using AvitagTM technology. This protein acts as a receptor for CD47; a.a. 27-370 correspond to the extracellular portion of SIRP- α . *Note: SIRP- α is heavily glycosylated, resulting in higher molecular weight.

Application: Useful for the study of protein-protein interaction and in vitro and in vivo protein function studies.

Quality Assurance

4-20% SDS-PAGE
Coomassie staining

Lane 1:

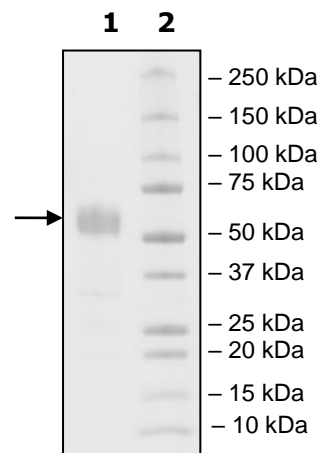
3 μg Sirp α

Lane 2:

Protein Marker

MW: 40.3 kDa+glycans

Purity: $\geq 90\%$



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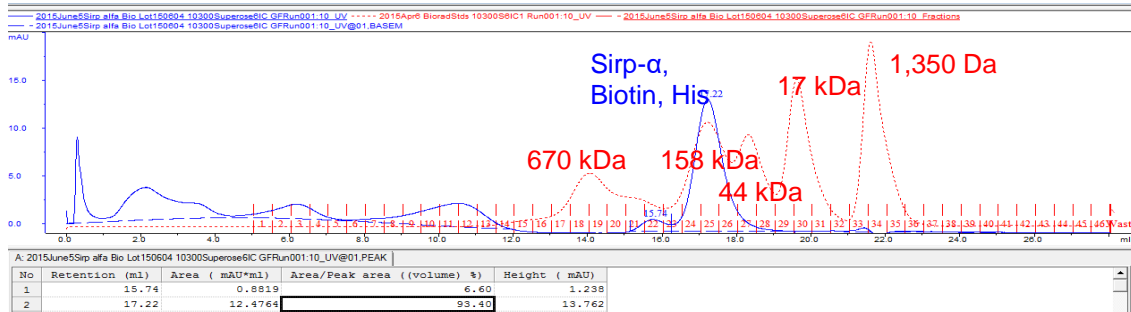
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Gel Filtration Trace



Protein Sequence

GVAGEEELQVIQPKSVLVAAGETATLRCTATSLIPVGPIQWFRGAGPGRELIYNQKEG
 HFPRVTTVSDLTKRNNMDFSIRIGNITPADAGTYCYVKFRKGPDDVEFKSGAGTELSV
 RAKPSAPVVSGPAARATPQHTVSFTCESHGFSPRDITLKWFKNGNELSDFQTNVDPVG
 ESVSYSIHSTAKVVLTRDVDHSQVICEVAHVTLQGDPLRGTANLSETIRVPPTLEVTQQP
 VRAENQVNVTCQVRKFYPQRLQLTWLENGNVSRRTETASTVTENKDGTYNWMSWLLVN
 VSAHRDDVKLTCQVEHDGQPAVSKSHDLKVS AHPKEQGSNTAAENTGSNER **GGGLND**
IFEAQKIEWHEHHHHHH

Black: SIRP α (a.a. 27-370)

Blue: Avi

Red: His(6x)

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