PROGEN Biotechnik GmbH · Maaßstraße 30 · D-69123 Heidelberg
Tel.: +49 (0) 6221 8278-11 · Fax: +49 (0) 6221 8278-24 · Email: info@progen.com · Web: www.progen.com

Receptor-associated Protein (RAP), rat recombinant

Description	Rat his:RAP:c-myc fusion protein
Molecular Weight	40 kD (determined by SDS gelelectrophoresis). The calculated MW from sequence data of the mature protein is 38862 Dalton (source: NCBI Sequence Viewer).
Source	Rat RAP fusion protein, expressed in E. coli
Purity	Greater than 95% (determined by SDS gelelectrophoresis)
Application	• Protein standard in 1D and 2D SDS gelelectrophoresis • Immunoblotting • Receptor-binding studies
Reconstitution	When reconstituted with 100 µl (#62221), 250 µl (#62021) or 500 µl (#62321) distilled water, solution will contain 1 mg/ml rat RAP protein in TBS, pH 7.5, 0.1% BSA, 0.09% NaN_3
Special Note	Ligand binding to RAP is Ca2+ dependent and e.g. lipid receptors can be released from RAP by a buffer containing 10 mM EDTA (cf. Bajari et al. 2005, see ref. below). Furthermore, buffers containing phosphate should be avoided (it would form precipitates with Ca2+).
Storage	At 2-8°C (lyoph.) At -20°C (reconstituted) stable for 4 weeks; extended storage at –70°C
Quantity	**100 µg (lyoph.); Cat. No. 62221** **250 µg (lyoph.); Cat. No. 62021** **500 µg (lyoph.); Cat. No. 62321**

FOR RESEARCH USE ONLY

References

Bajari TM, Linstedt KA, Riepl M, Mirsky VM, Nimpf J, Wolfbeis OS, Dresel HA, Bautz EK, Schneider WJ: A minimal binding domain of the low density lipoprotein receptor family. Biol Chem 379, 1053-1062 (1998)

Hayashi H, Campenot RB, Vance DE, Vance JE. Glial lipoproteins stimulate axon growth of central nervous system neurons in compartmented cultures. J Biol Chem 279, 14009-14015 (2004)

Bajari TM, Strasser V, Nimpf J, Schneider WJ: LDL receptor family: Isolation, production, and ligand binding analysis. Methods 36, 109-116 (2005). Available online at www.sciencedirect.com

Cat. No. 62021 / 62221 / 62321