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# Product Description

# Recombinant Calretinin

## mouse, 10 µg

## (AgCR10abs)

For immunoblot and absorption experiments

**Product**: HPLC-purified mouse calretinin (recombinant, 10 µg) produced in *Escherichia Coli*, after *in vitro* cDNA synthesis.

**Use:** This protein can be used for immunoblots and absorption experiments in immuno-histochemistry. For intracellular injections in neurons, we suggest using our other product AgCR10ic

**Lot No**.: 12 (20-17)

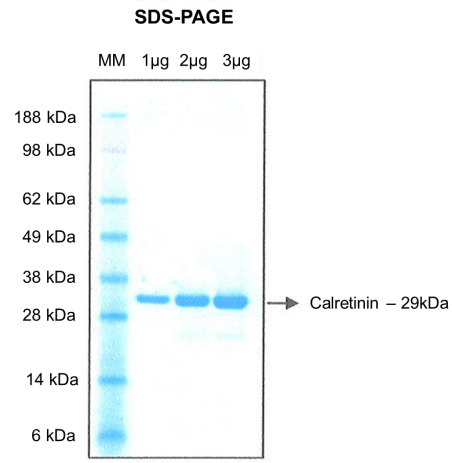
**Form**: 10 µg in 25 µl of 50 mM $NaHCO_3$ with **high $CaCl_2$** (0.1 mM). Lyophilized.

**Reconstitution:** with 25 µl of bi-distilled water.

**Storage**: After reconstitution, freeze in small aliquots (e.g. 1 µg) and keep at -80°C. Avoid repeated freezing and thawing.

**Description**: This recombinant protein has been purified by HPLC and migrates as a single band of approximately 29 KDa. The figure shows a gel stained with Coomassie-blue.

SDS-PAGE of HPLC-purified mouse recombinant calretinin. The arrow marks the full-length native calretinin (29 kDa).




For adsorption experiments aimed at proofing the specificity of the immunostaining, we suggest the following procedure:

- Dilute 1 µl of one of the Swants antibodies against calretinin in 5 ml of the usual buffer for immunohistochemistry (final dilution 1:5'000).
- Add 1 µg of the recombinant protein to 1 ml of the diluted antibody solution and mix well.
- Incubate for at least 6 hours in the cold.
- Apply to tissue-sections and incubate for 3 days.
- Complete the immunohistochemical reaction as usual (biotinylated secondary antibody, Streptavidin-fluorescence (or peroxidase, followed by DAB-$H_2O_2$).

As a result, the immunostaining should be strongly reduced or even completely prevented.