

Recombinant Human REG1 alpha protein ab152035

Description

Product name	Recombinant Human REG1 alpha protein
Purity	> 95 % SDS-PAGE. ab152035 was determined to be >95% pure by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 0.100 Eu/μg
Expression system	HEK 293 cells
Accession	<u>P05451</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	QEAQTELPQARISCPEGTNAYRSYCYFNE DRETWVDAD LYCQNMNSGNL VSVLTQAEGA FVASLIKESGTDDFNVWIGLHDPKKNRRWHWSSGSLVSY KSWGIGAPSSV NPGYCVSLTS STGFQKWKDVPCEDKFSFVCKFKNVDHHHHHH
Predicted molecular weight	17 kDa including tags
Amino acids	23 to 166
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab152035** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized
Additional notes	Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Preparation and Storage

Stability and Storage	Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C. Please see notes section. pH: 7.20 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
General Info	
Function	Might act as an inhibitor of spontaneous calcium carbonate precipitation. May be associated with neuronal sprouting in brain, and with brain and pancreas regeneration.
Tissue specificity	In pancreatic acinar cells and, in lower levels, in brain. Enhanced expression of PSP-related transcripts and intraneuronal accumulation of PSP-like proteins is found in brain from Alzheimer disease and Down syndrome patients.
Sequence similarities	Contains 1 C-type lectin domain.
Developmental stage	High expression levels in fetal and infant brains; much lower in adult brains.
Post-translational modifications	The composition of the O-linked carbohydrate on Thr-27 is complex and varied. In the crystallographic structure, the attached sugar appears to be N-acetylglucosamine, typical of an intracellular protein, rather than N-acetylgalactosamine.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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