

S100 Calcium Binding Protein G Recombinant Protein | S100G recombinant protein

Recombinant Rat S100 Calcium Binding Protein G

CATALOG #
AAA38474

HOST
E Coli

PRODUCT SYNONYMS

S100 Calcium Binding Protein G; Recombinant Rat S100 Calcium Binding Protein G; S100G Rat; S100 Calcium Binding Protein G Rat Recombinant; Protein S100-G; S100 calcium-binding protein G; Vitamin D-dependent calcium-binding protein intestinal; CABP; Calbindin-D9k; 9 kDa CaBP; Cholecalcin; S100g; Calb3; S100d; Cbpi; MGC72928; Rncalbd9; S100G recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The protein was lyophilized from a concentrated solution (1mg/ml) containing 100mM Phosphate buffer, pH 7.3. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence Length	79
Solubility	It is recommended to reconstitute the lyophilized CABP9K in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized CABP9K although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution CABP9K should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for S100G recombinant protein	Description: CABP9K (CALB3 or CABP1; mouse, rat, and human 79 aa; chromosome Xp; ~9 kDa) is a cytosolic Ca-binding protein initially found in rat pancreas. It is also expressed in intestine, placenta, uterus and kidney. Its expression is controlled by vitamin D and sex hormone in a tissue specific manner. In keeping with its role in Ca-transport, its expression is highest in duodenal villus enterocytes. It is further shown that CABP9K is only expressed in differentiated enterocytes. CABP9K gene also contains Cdx2-homeoprotein binding sites, and that Cdx2 may play a crucial role in CABP9K transcription.CaBP9K is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.
Product Categories/Family for S100G recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Calcium Binding Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978609
NCBI GeneID	24249
NCBI Accession #	NP_036653.1
NCBI GenBank Nucleotide #	NM_012521.2
UniProt Accession #	P02634 ; P51964
Molecular Weight	9,038 Da
NCBI Official Full Name	protein S100-G

NCBI Official Synonym Full Names	S100 calcium binding protein G
NCBI Official Symbol	S100g
NCBI Official Synonym Symbols	Cabp; Cbpi; Calb3; Rncalbd9
NCBI Protein Information	protein S100-G; 9 kDa CaBP; S100 calcium-binding protein G; calbindin 3, (vitamin D-dependent calcium binding protein); calbindin-D9K; calcium-binding protein, intestinal, vitamin D-dependent (9-kDa CaBP); cholecalcin; vitamin D-dependent calcium-binding protein, intestinal
UniProt Protein Name	Protein S100-G
UniProt Gene Name	S100g
UniProt Synonym Gene Names	Calb3; S100d; CABP
UniProt Entry Name	S100G_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/s100g-recombinant-protein-e-coli/38474>