Recombinant Human SCGB2A2 protein, Fc/His-tagged

Cat. No. SCGB2A2-524H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SCGB2A2 protein (Gly19–Phe93) with C-terminal linker (2 extra AA), TEV site (7 AA), Human IgG1 fragment (Pro100-Lys330, 231 AA) and C-terminal His-tag (6 AA) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-93 a.a.
Description	Biased expression in esophagus (RPKM 14.0), fat (RPKM 1.6) and 1 other tissue.
Molecular Mass	36.3 kDa
AA Sequence	GSGCPLLENVISKTINPQVSKTEYKELLQEFIDDNATTNAIDELKECFLNQTDETLSNV EVFMQLIYDSSLCDLFKLENLYFQGPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPK DTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVS VLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKN QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW QQGNVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH
Endotoxin	< 0.1 EU/μg
Purity	> 95 %

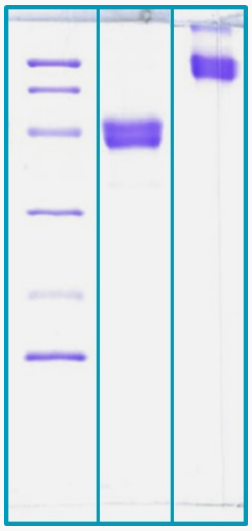
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Applications	WB, ELISA, Cell culture and/or animal studies
Quality Control Test	BCA to determine quantity of the protein. SDS PAGE to determine purity of the protein. LAL to determine quantity of endotoxin.
Storage	Store the lyophilized protein at -80 centigrade. Lyophilized protein remains stable until the expiry date when stored at -80 centigrade. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 centigrade for long term storage. Reconstituted protein can be stored at 4 centigrade for 5 days.
Storage Buffer	Filtered (0.4 μm) and lyophilized from 0.5 mg/mL solution in phosphate buffered saline, 5% w/v trehalose pH 7.4
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.
Shipping	At ambient temperature.

GENE INFORMATION

Gene Name	SCGB2A2 secretoglobin family 2A member 2 [Homo sapiens (human)]
Official Symbol	SCGB2A2
Synonyms	SCGB2A2; secretoglobin family 2A member 2; MGB1; UGB2; PSBP1; mammaglobin-A; mammaglobin 1; prostatic steroid binding protein 1
Gene ID	4250

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mRNA Refseq	NM_002411
Protein Refseq	NP_002402
MIM	605562
UniProt ID	Q13296
SDS-PAGE	 14 % SDS-PAGE separation of Human Mammaglobin A (FcIgG): 1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa 2. Reduced and boiled sample, 2.5 µg/lane 3. Non-reduced and non-boiled sample, 2.5 µg/lane

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