

# Active Recombinant Full Length Human CD81 Protein, C-Flag-tagged

Cat. No. CD81-13HFL    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human CD81 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	<p>The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.</p>
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Bio-activity</b>	ELISA standard
<b>Molecular Mass</b>	25.6 kDa

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>AA Sequence</b>	MGVEGCTKCIKYLFFVFNFWLWLAGGVILGVALWLRHDPQTTNLLYLELGDKPAPNT FYVGIYILIAVGA VMMFVGFLGCGYGAIQESQCLLGTTFFTCCLVILFACEVAAGIWGFVN KDQIAKDVKQFYDQALQQAVVDDDA NNAKAVVKTFFHETLDCCGSSTLTALTTSVLK NNLCPSGSNIISNLFKEDCHQKIDDLFSGKLYLIGIAAI VVAVIMIFEMILSMVLCCGIRNSSVYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways</b>	B cell receptor signaling pathway
<b>Full Length</b>	Full L.

## GENE INFORMATION

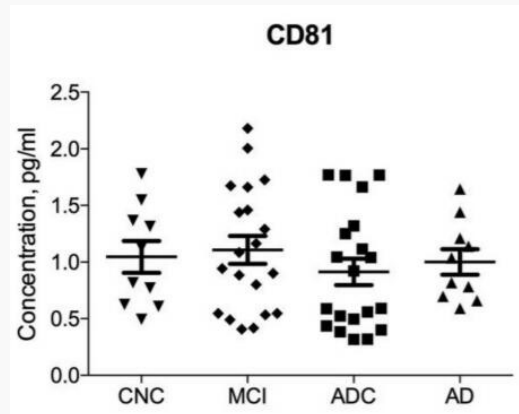
<b>Gene Name</b>	CD81 CD81 molecule [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD81
<b>Synonyms</b>	S5.7; CVID6; TAPA1; TSPAN28

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene ID</b>	975
<b>mRNA Refseq</b>	NM_004356.4
<b>Protein Refseq</b>	NP_004347.1
<b>MIM</b>	186845
<b>UniProt ID</b>	P60033

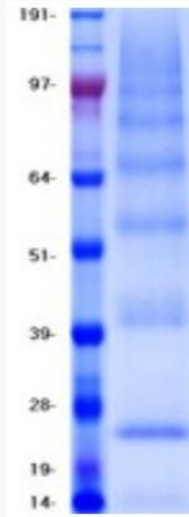


Plasma neuronal-derived exosome levels of CD81, measured by ELISA using recombinant CD81 as the standard, were not statistically different among cognitively normal controls (CNC), mild cognitive impairment (MCI), MCI converting to AD (ADC), and Alzheimer's disease patients (AD).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified CD81 protein.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA