

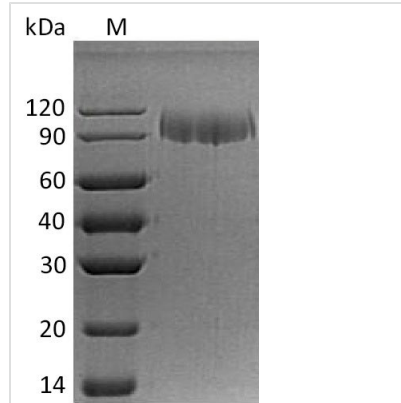


Recombinant Human Integrin alpha-5 (ITGA5), partial (Active)

Product Code	CSB-AP005451HU
Uniprot No.	P08648
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μ m filtered 20 mM PB, 150 mM NaCl, pH 7.2
Product Type	Other
Immunogen Species	Homo sapiens (Human)
Biological Activity	The ED50 as determined by its ability to bind Human NovoNectin in functional ELISA is less than 50 ug/ml.
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	<p>FNLDAEAPAVLSGPPGSFFGFSVEFYRPGTDGVSVLVGAPKANTSQPGVLQG GAVYLCPWGASPTQCTPIEFDSKGSRLLESSLSSSEGEPEVEYKSLQWFGAT VRAHGSSILACAPLYSWRTEKEPLSDPVGTCYLSTDNFTRILEYAPCRSDFSW AAGQGYCQGGFSAEFTKTGRVVLGGPGSYFWQQQILSATQEQIAESYYPEYLI NLVQQQLQTRQASSIYDDSYLGYSVAVGEFSGDDTEDFVAGVPKGNLTYGYV TILNGSDIRSLYNFSGEQMASYFGYAVAATDVNGDGLDLDLLVGAPLLMDRTPD GRPQEVGRVYVYLQHPAGIEPTPTLTLTGHDEFGRFGSSLTPLGDLDQDGYN DVAIGAPFGGETQQGVVVFVPPGGPGLGSKPSQVLQPLWAASHTPDDFFGSAL RGGRDLGNGYPDLIVGSFGVDKAVVYRGRPIVSASASLTIFPAMFNPEERSC SLEGNPVACINLSFCLNASGKHVADSIGFTVELQLDWQKQKGGVRRALFLASR QATLTQTLLIQNGAREDCREMKIYLRNESEFRDKLSPIHIALNFSLDPQAPVDSH GLRPALHYQSKSRIEDKAQILLDCGEDNICVPDLQLEVFGEQNHVYLGDKNAL NLTFHAQNVGEGGAYEAELRVTAPPEAEYSGLVRHPGNFSSLSCDYFAVNQS RLLVCDLGNPMKAGASLWGGRLRFTVPHLRDTKKTIQFDFQILSKNLNNSQSDV VSFRLSVEAQAQVTLNGVSKPEAVLFPVSDWHPRDQPQKEEDLGPVHHVYE LINQGPSSISQGVLELSCPQALEGQQLLYVTRVTGLNCTTNHPINPKGLELDPE GSLHHQKREAPSRSSASSGPQILKCPEAECFRLRCELGPLHQQESQSLQLH FRVWAKTFLQREHQPFSLQCEAVYKALKMPYRILPRQLPQKERQVATAVQWT KAEGSY</p>
Research Area	Signal Transduction
Source	Mammalian cell
Target Names	ITGA5
Expression Region	42-995aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-tagged
Mol. Weight	105.11 kDa


Protein Length

Partial

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Endotoxin

Less than 1.0 EU/ μ g as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.