

ITGB8 Protein, Rabbit, Recombinant (His & Myc)

General Information

Synonyms: ITGB8;Integrin beta-8

Protein Construction: 146-384 aa

Species: Rabbit

Expression Host: E. coli

Accession: P26013

Molecular Weight: 31.9 kDa (predicted)

AA Sequence:

PVDLYYLVDVVSASMHNIEKLNISVGNLDRKMAFFSRDFRLGFGSYVDKTVSPYISIHPERIHNQCSDYNLDC
MPPHGYIHVLSLTENITEFERAVHRQKISGNIDTPEGGFDAQLQAAVCESHIGWRKEAKRLLLVMTDQTSHLA
LDSKLAGIVPNDGNCHLRNNVYVKSTTMEHPSLGQLSEKLIDNNINVIFAVQKQFHWYKDLLPLLPGTIAG
EIESKAANLNNLVVEAYQKL

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Integrin alpha-V:beta-8 (ITGAV:ITGB8) is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligands. Integrin alpha-V:beta-6 (ITGAV:ITGB6) mediates R-G-D-dependent release of transforming growth factor beta-1 (TGF-beta-1) from regulatory Latency-associated peptide (LAP), thereby playing a key role in TGF-beta-1 activation on the surface of activated regulatory T-cells (Tregs). Required during vasculogenesis.

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