Recombinant SLAP2 protein (His tag)

Catalog Number	541266
Synonyms	Modulator of antigen receptor signaling; MARS; Src-like adapter protein 2; SLAP-2
Species	Human
Expression System	E. coli
Accession	Q9H6Q3
Molecular Weight	Predictes a molecular mass of 19.57 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	34-194
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 34-194 aa (Q9H6Q3) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Src-like-adapter 2 (SLAP-2) Fragment (aa 34-194) – a high-purity protein designed to encompass the functional SH2 domain, enabling targeted investigation of T-cell receptor signaling regulation and adapter protein interactions. Src-like-adapter 2 (SLAP-2) is an adapter protein in Homo sapiens that negatively regulates T-cell receptor (TCR) signaling by inhibiting TCR-induced activation of nuclear factor of activated T-cells. It functions by linking signaling proteins such as ZAP70 with CBL, facilitating CBL-dependent degradation of signaling components. The full-length protein localizes to the cytoplasm, with Isoform 1 found at the cell membrane and cytoplasmic vesicles (including late endosomes), while Isoform 2 is cytoplasmic and not membrane-associated. This recombinant fragment spans residues 34-194, containing the SH2 domain, making it a valuable tool for dissecting domain-specific roles in immune signaling pathways.