

Recombinant Human STAT3 Protein (2-219 aa), 6*His-tagged

Product Information

Cat	IMP-6375
Official Symbol	STAT3
Product Overview	Recombinant Human STAT3 Protein (2-219 aa encoded by BC000627) with 6*His tag was expressed in <i>E. coli</i> , PET28a.
Expression System	<i>E. coli</i>
Species	Human
Tag	6*His
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
Protein length	2-219
AA Sequence	AQWNQLQQLDTRYLEQLHQLYSDSFPMELRQFLAPWIESQDWAYAASK ESHATLVFHNLLGEIDQQYSRFLQESNVLYQHNLRRRIKQFLQSRYLEKPM EIARIVARCLWEESRLLQTAATAAQGGQANHPTAAVVTEKQQMLEQHL QDVRKRVQDLEQKMKVVENLQDDDFDFNYKTLKSQGDMQDLNGNNSVT RQKMQQLEQMLTALDQMRRSIVS
Endotoxin	Please contact the lab for more information. Note: Remove endotoxin and sterilization is required for cell assay.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Applications	Blocking peptide
Storage	The product is shipped at ambient temperature. Store for up to 12 months at -20 to -80 centigrade as lyophilized powder. Storage of Reconstituted Protein: Short-term storage: Store at 2-8 centigrade for (1-2 weeks). Long-term storage: Aliquot and store at -20 to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µL in 200 µL sterile water for short-term storage. Reconstitution with 200 µL 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.