

## Recombinant Human SIAE Protein

Catalog #	Source	Reactivity	Applications
CRP2304	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human SIAE Protein is produced by our mammalian expression system and the target gene encoding Ile24-Lys523 is expressed with a 6His tag at the C-terminus.

**Form** Liquid in a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.

**Gene Symbol** SIAE

**Alternative Names** YSG2; Sialate O-acetyltransferase; H-Lse; Sialic acid-specific 9-O-acetyltransferase

**Entrez Gene** 54414 (Human)

**SwissProt** Q9HAT2 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** IGFRFASYIN NDMVLQKEPA GAVIWGFGTP GATVTVTLRQ GQETIMKKVT SVKAHSDTWM  
 VVLDPMKPGG PFEVMAQQTL EKINFTLRVH DVLFQDVWLC SGQSNMQMTV  
 LQIFNATREL SNTAAYQSVR ILSVSPIQAE QELEDLVAVD LQWSKPTSEN LGHGYFKYMS  
 AVCWLFGRHL YDTLQYPIGL IASSWGGTPI EAWSSGRSLK ACGVPKQGSI PYDSVTGPSK  
 HSVLWNAMIIH PLCNMTLKGV VWYQGESNIN YNTDLYNCTF PALIEDWRET FHRGSQGQTE  
 RFFPFGLVQL SSDLSKKSSD DGFPQIRWHQ TADFGYVNP KMPNTFMVA MDLCDRDSPF  
 GSIHPRDKQT VAYRLHLGAR ALAYGEKNLT FEGPLPEKIE LLAHKGLLNL TYYQQIQVQK  
 KDNKIFEISC CSDHRCKWLP ASMNTVSTQS LTLAIDSCHG TVVALRYAWT TWPCEYKQCP  
 LYHPSSALPA PPFIAFITDQ GPGHQSNVAK VDHSHHHH

**Quality Control** Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**Directions for Use** Always centrifuge tubes before opening. It is recommended that the protein be

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

### COHESION BIOSCIENCES LIMITED

**WEB**  
[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**  
[order@cohesionbio.com](mailto:order@cohesionbio.com)

**SUPPORT**  
[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**  
[custom@cohesionbio.com](mailto:custom@cohesionbio.com)

# Product Data Sheet

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Storage/Stability

Store it at -20°C to -80°C for one year.

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

## COHESION BIOSCIENCES LIMITED

### WEB

[www.cohesionbio.com](http://www.cohesionbio.com)

### ORDER

[order@cohesionbio.com](mailto:order@cohesionbio.com)

### SUPPORT

[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

### CUSTOM

[custom@cohesionbio.com](mailto:custom@cohesionbio.com)