

Recombinant Protein FAQ

Is this protein biologically active?

The biological activity of this recombinant protein is not tested and therefore cannot be guaranteed. All downstream applications must be determined by the end user.

What purity is this protein provided at?

Our recombinant proteins are provided at >90% purity

Are the proteins you list (Human, mouse, rat) full length molecules?

The protein provided will be full length, according to the accession number given above. The accession number 'NM' refers to a unique transcript (mRNA) sequence which, in the case of some genes, may represent one of many naturally occurring variant transcripts for that gene.

The accession number 'BC' refers to a sequence that may not represent the full-length CDS for that gene. Thus, we strongly recommend checking the sequence provided before placing an order.

Can we order a smaller amount of protein to test the activity?

Our recombinant proteins are made to order and as such, 100ug is the minimum quantity that can be ordered. However, we are happy to offer very competitive rates on larger quantities of the protein upon request.

How are endotoxin levels measured?

For estimating the endotoxin levels; we use the LAL (Limulus Amebocyte Lysate) method: The lysate from horseshoe crab amebocytes clots in the presence of very low endotoxin. This reaction is the basis of the Limulus amebocyte lysate (LAL) assay which was approved by the FDA in 1970.

- Endotoxin is generally measured in Endotoxin Units per milliliter (EU/mL).
- For recombinant proteins: EU is reported per microgram of protein.
- One EU = 0.1-0.2 ng endotoxin/ μ g of protein.
- At **abm**, we do the LAL chromogenic assays that can detect down to 0.01 EU/ml.
- There is <1.0 EU of Endotoxin/ μ g of recombinant protein as determined by the LAL method.

How long is the shelf life and what are the storage condition(s)?

The storage condition(s) with respect to buffer components are case specific and disclosed as part of our certificate of analyses for the relevant protein. In general, lyophilized proteins are good for up to two years when stored in -80°C and for one year at -20°C while, proteins in 50% glycerol (to be stored at -20°C) are usually good for 6 months.

Are your recombinant proteins denatured?

No. If you wish to obtain denatured protein, we can look into a custom service for you, upon request.

Are your recombinant proteins produced in *E.Coli* phosphorylated?

While *E.coli* is known to phosphorylate a certain subset of its endogenous proteins, we cannot say for sure if the proteins in question will be phosphorylated as they will be made recombinantly in *E.coli*.