

TSSK2 active protein

Recombinant TSSK2 protein

CATALOG # AAA60325	HOST Baculovirus
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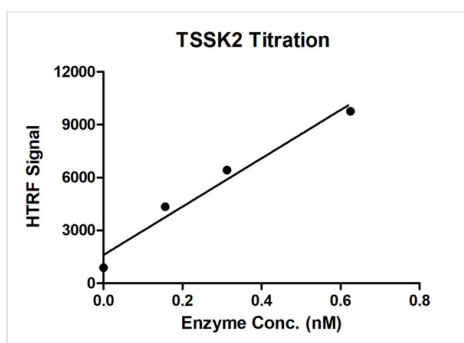
PRODUCT SYNONYMS

TSSK2; Recombinant TSSK2 protein; Testis Specific Serine Kinase 2; TSSK2 active protein

PRODUCT SPECIFICATIONS

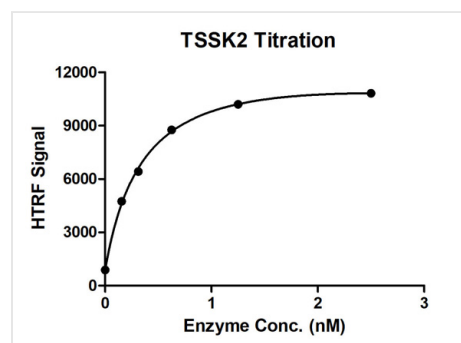
Host	Baculovirus
Purity/Purification	>=40%
Form/Format	Recombinant TSSK2 protein is supplied in 25 mM HEPES-NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant TSSK2 protein was expressed in baculovirus expression system as the full length protein (accession number NP_443732.3) with a N-terminal DYKDDDDK tag. The molecular weight of the protein is 42.2 kDa.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



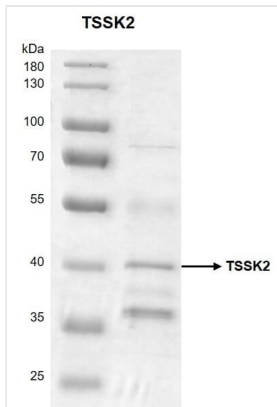
Bioactivity

HTRF assay for TSSK2 activity 1 uM STK S1 substrate was incubated with different concentrations of TSSK2 protein in a 10 ul reaction system containing 1×Enzymatic Buffer, 10 mM MgCl₂, 1 mM DTT, and 100 uM ATP for 1 hour. The 10 ul detection reagents containing anti-STK antibody (1:2) and SA-XL665 (1:100) diluted with 1× Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant TSSK2 protein 10% SDS-PAGE Coomassie staining MW: 42.2 kDa Purity: >= 40%

ADDITIONAL INFORMATION

Related Product Information for TSSK2 active protein	TSSK2 (Testis Specific Serine Kinase 2) is a testis-specific serine/threonine-protein kinase that is required during spermatid development and phosphorylates TSKS at 'Ser-288' and SPAG16. TSSK2 is involved in the late stages of spermatogenesis during the reconstruction of the cytoplasm. During spermatogenesis, TSSK2 is required for the transformation of a ring-shaped structure around the base of the flagellum originating from the chromatoid body. Diseases associated with TSSK2 include Hyperprolinemia, Type I and Combined D-2- And L-2-Hydroxyglutaric Aciduria.
Product Categories/Family for TSSK2 active protein	Kinase; Recombinant Proteins

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/tssk2/60325>