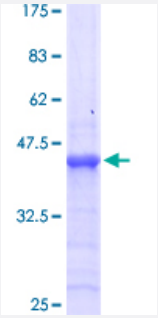
HOXB13 (Human) Recombinant Protein (Q01)

Catalog # H00010481-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HOXB13 partial ORF (AAH07092.1, 61 a.a. - 216 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KQCHPCPGVPQGTSPAPVPYGYFGGGYYSCRVSRSSLKPCAQAATLAAYPAETPTAGEEYPSR PTEFAFYPGYPGTYQPMASYLDVSVVQTLGAPGEPRHDSLLPVDSYQSWALAGGWNSQMCCQ GEQNPPGPFWKAAFADSSGQHPPDACAFRRG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.79
Interspecies Antigen Sequence	Mouse (93); Rat (93)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HOXB13

Entrez GeneID	10481
GeneBank Accession#	BC007092
Protein Accession#	AAH07092.1
Gene Name	HOXB13
Gene Alias	PSGD
Gene Description	homeobox B13
Omim ID	604607
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that belongs to the homeobox gene family. Genes of this family are highly conserved among vertebrates and essential for vertebrate embryonic developme nt. This gene has been implicated to play a role in fetal skin development and cutaneous regenera tion. In mice, a similar gene was shown to exhibit temporal and spatial colinearity in the main body axis of the embryo, but was not expressed in the secondary axes, which suggests functions in bod y patterning along the axis. This gene and other HOXB genes form a gene cluster at chromosome the 17q21-22 region. [provided by RefSeq
Other Designations	homeo box B13

Disease

- Breast cancer
- Breast Neoplasms